

U.S. DEPARTMENT OF COMMERCE
National Technical Information Service

PB-260 025

BIOLOGICAL PRODUCTS

ESTABLISHMENTS LICENSED FOR THE PREPARATION AND
SALE OF VIRUSES, SERUMS, TOXINS AND ANALOGOUS
PRODUCTS, AND THE TRIVALENT ORGANIC
ARSENIC COMPOUNDS

NATIONAL INSTITUTES OF HEALTH, BETHESDA, MARYLAND

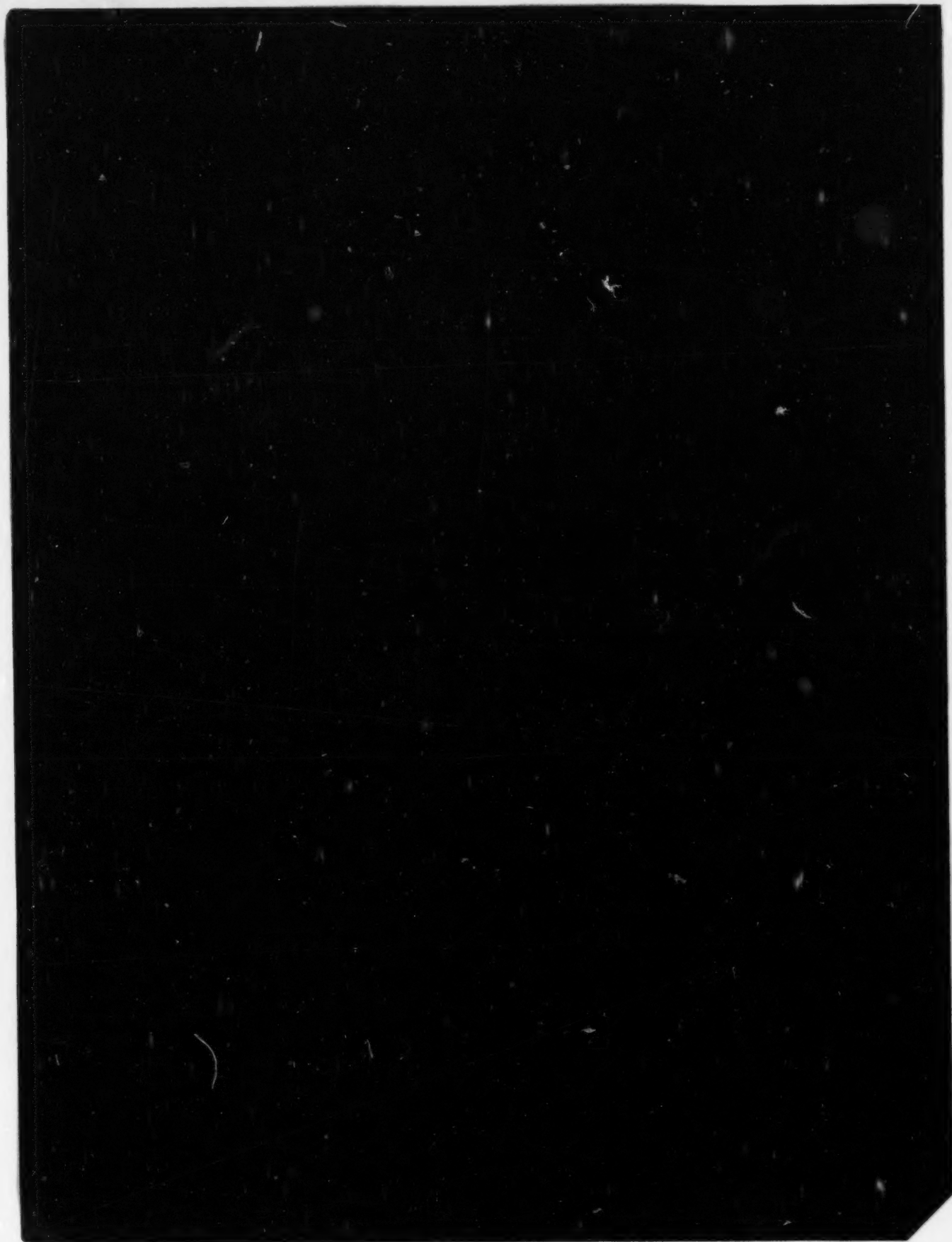
1 JANUARY 1969

BIBLIOGRAPHIC DATA SHEET	1. Report No.	2.	3. Recipient's Accession No. PB-260 025
4. Title and Subtitle Biological Products. Establishments Licensed for the Preparation and Sale of Viruses, Serums, Toxins and Analogous Products, and the Trivalent Organic Arsenic Compounds			5. Report Date 1 Jan 69
7. Author(s)			6.
9. Performing Organization Name and Address National Institutes of Health, Bethesda, Md. Div. of Biologics Standards.			8. Performing Organization Rept. No. PHS-Pub-50
12. Sponsoring Organization Name and Address			10. Project/Task/Work Unit No.
			11. Contract/Grant No.
			13. Type of Report & Period Covered
			14.
15. Supplementary Notes Revision of report dated Jan 68, PB-217 372.			
16. Abstracts This document consists of a list of establishments holding licenses inssed in accordance with Section 351 of the Public Health Service Act, and a list of products which each establishment is licensed to manufacture. Section 351 regulates the sale, barter, and exchange of viruses, serums, toxins, antitoxins, analogous products, and arsphenamine or its derivatives (or any other trivalent organic arsenci compound). Licensed establishments are inspected regularly to ensure technical competence of personnel, sanitary conditions of the premises, proper manufacturing methods, and safety, purity, and potency of the licensed products. Establishments are arranged by license number showing the products for which each is licensed. A list of biologic products is also provided with license numbers of the establishment licensed for each product.			
17. Key Words and Document Analysis. 17a. Descriptors			
17b. Identifiers /Open-Ended Terms *Public health *Drug industry Viruses Organic chemicals industry Chemical industry Licenses Toxicology 17c. COSATI Field /Group 6A			
18. Availability Statement		19. Security Class (This Report) UNCLASSIFIED	21. No. of Pages 43
		20. Security Class (This Page) UNCLASSIFIED	22. Price

254022

PB 260 025

REPRODUCED BY
**NATIONAL TECHNICAL
INFORMATION SERVICE**
U.S. DEPARTMENT OF COMMERCE
SPRINGFIELD, VA. 22161



Notices

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

Public Health Service BIOLOGICAL PRODUCTS

There is presented herewith a list of the establishments holding licenses issued in accordance with section 351 of an act of Congress approved July 1, 1944, entitled "Public Health Service Act" (58 Stat. 682), and a list of the products which each establishment is licensed to manufacture. Section 351 of this act is designed to regulate the sale, barter and exchange of viruses, serums, toxins, antitoxins, analogous products, and arsenamine or its derivatives (or any other trivalent organic arsenic compound) in the District of Columbia, in interstate and foreign commerce, and for other purposes.

The licenses granted to these establishments for the products mentioned do not imply an endorsement of the respective preparations. The granting of a license means that the establishment is inspected regularly as to the technical ability of the responsible personnel and as to the sanitary condition of the premises; it means that all products are manufactured by methods considered to be safe; it means that tests have been applied by the manufacturer to the finished products to insure their safety and purity; it means that in all instances where there is an official standard of potency, or where an official test of potency is recognized, the product has been tested against such standards or by

such a test; it means that the establishment is required to carry out those requirements specified by the National Institutes of Health in Public Health Service regulations, designed to insure the continued safety, purity, and potency of the licensed products.

Part I. Establishments Arranged by License Number Showing the Products for Which Each Establishment Is Licensed

LICENSED ESTABLISHMENTS

License No. 1—Parke, Davis & Co., Detroit, Mich.

Antitoxins

B. oedematiens Antitoxin.
Diphtheria Antitoxin.
Dysentery Antitoxin, Shiga.
Perfringens, Antitoxin.
Tetanus Antitoxin.
Tetanus and Gas Gangrene Polyvalent Antitoxin.
V. septique Antitoxin.

Blood and Blood Derivatives

Fibrinolysin and Desoxyribonuclease Combined (Bovine).
Fibrinolysin and Desoxyribonuclease Combined (Bovine) with Chloramphenicol.
Histamine Azoprotein.
Immune Serum Globulin (Human).
Measles Immune Globulin (Human).
Normal Serum Albumin (Human).
Poliomyelitis Immune Globulin (Human).
Tetanus Immune Globulin (Human).
Thrombin.

Bacterial Vaccines

Cholera Vaccine.
Pertussis Vaccine.
Pertussis Vaccine Aluminum Phosphate Adsorbed.
Typhoid and Paratyphoid Vaccine.
Two polyvalent bacterial vaccines with "No U.S. Standard of Potency."

Bacterial Antigens

Two polyvalent bacterial antigens with "No U.S. Standard of Potency."

Modified Bacterial Antigens

One polyvalent modified bacterial antigen with "No U.S. Standard of Potency."

Bacterial Vaccines and Antigens Combined

Two polyvalent bacterial vaccines and bacterial antigens with "No U.S. Standard of Potency."

Toxoids and Toxins for Immunization

Diphtheria Toxoid.
Diphtheria Toxoid Aluminum Phosphate Adsorbed.
Staphylococcus Toxoid.
Tetanus Toxoid.
Tetanus Toxoid Aluminum Phosphate Adsorbed.

Multiple Antigen Preparations

Adenovirus and Influenza Virus Vaccines Combined Aluminum Phosphate Adsorbed.
Diphtheria and Tetanus Toxoids and Pertussis and Poliomyelitis Vaccines Aluminum Phosphate Adsorbed.
Diphtheria and Tetanus Toxoids and Pertussis Vaccine Aluminum Phosphate Adsorbed and Poliomyelitis Vaccine.
Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined.
Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined Aluminum Phosphate Adsorbed.
Diphtheria and Tetanus Toxoids Combined.
Diphtheria and Tetanus Toxoids Combined Aluminum Phosphate Adsorbed.
Diphtheria Toxoid and Pertussis Vaccine Combined Aluminum Phosphate Adsorbed.

Staphylococcus Toxoid and Bacterial Antigen made from Staphylococcus (Albus and Aureus).

Viral and Rickettsial Vaccines

Adenovirus Vaccine.
Influenza Virus Vaccine.
Poliomyelitis Vaccine.
Poliomyelitis Vaccine Aluminum Phosphate Adsorbed.
Rabies Vaccine.
Smallpox Vaccine.

Diagnostic Substances for Dermal Tests

Blastomycin.
Diphtheria Toxin for Schick Test.
Histoplasmin.
Tuberculin, Old.
Tuberculin, Purified Protein Derivative.

Diagnostic Substances for Laboratory Tests

Anti-Human Chorionic Gonadotropic Serum.
Anti-Influenza Virus Serum for the Hemagglutination Inhibition Test.
Influenza Virus Hemagglutinating Antigen.

Miscellaneous

Allergenic Extracts.
Oxophenarsine Hydrochloride.
Poison Ivy Extract.

License No. 2—Merck Sharp & Dohme, Division of Merck & Co., Inc., West Point, Pa.

Antitoxins

Tetanus Antitoxin.

Blood and Blood Derivatives

Fibrinogen (Human).
Fibrinogen with Antihemophilic Factor (Human).
Fibrinolysin and Desoxyribonuclease Combined (Bovine).
Fibrinolysin (Human).
Immune Serum Globulin (Human).
Normal Bovine Serum.
Normal Horse Serum.
Normal Serum Albumin (Human).
Poliomyelitis Immune Globulin (Human).
Tetanus Immune Globulin (Human).

Bacterial Vaccines

Cholera Vaccine.
Typhoid Vaccine.
Typhoid and Paratyphoid Vaccine.

Sensitized Bacterial Vaccines

Typhoid and Paratyphoid Vaccine.
Three polyvalent sensitized bacterial vaccines with "No U.S. Standard of Potency".

Bacterial Antigens

Three polyvalent bacterial antigens with "No U.S. Standard of Potency".

Toxoids and Toxins for Immunization
Tetanus Toxoid.

Multiple Antigen Preparations

Diphtheria and Tetanus Toxoids and Pertussis Vaccine Alum Precipitated and Poliomyelitis Vaccine.
Diphtheria and Tetanus Toxoids and Pertussis Vaccine Aluminum Phosphate Adsorbed and Poliomyelitis Vaccine.
Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined Alum Precipitated.
Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined Aluminum Phosphate Adsorbed.
Measles-Smallpox Vaccine, Live.
Tetanus and Diphtheria Toxoids Combined Alum Precipitated (For Adult Use).

Viral and Rickettsial Vaccines

Influenza Virus Vaccine.
Measles Virus Vaccine, Live, Attenuated.
Mumps Virus Vaccine, Live.
Poliomyelitis Vaccine.
Smallpox Vaccine.
Typhus Vaccine.

Diagnostic Substances for Dermal Tests
Tuberculin, Purified Protein Derivative.

Miscellaneous

Antivenin (*Latrodectus mactans*).
Blood Group Specific Substances A and B.
Poison Ivy Extract.

License No. 3—Wyeth Laboratories, Inc.,
Marietta, Pa.

Antitoxins

Diphtheria Antitoxin.
Gas Gangrene Polyvalent Antitoxin.
Tetanus Antitoxin.
Tetanus and Gas Gangrene Polyvalent Antitoxin.

Blood and Blood Derivatives

Normal Horse Serum.

Bacterial Vaccines

Cholera Vaccine.
Pertussis Vaccine.
Typhoid Vaccine.
Typhoid and Paratyphoid Vaccine.

Toxoids and Toxins for Immunization

Diphtheria Toxoid.
Diphtheria Toxoid Aluminum Phosphate Adsorbed.
Tetanus Toxoid.
Tetanus Toxoid Aluminum Phosphate Adsorbed.

Multiple Antigen Preparations

Diphtheria and Tetanus Toxoids Alum Precipitated and Pertussis Vaccine Combined.
Diphtheria and Tetanus Toxoids Combined Alum Precipitated.
Diphtheria and Tetanus Toxoids Combined Aluminum Phosphate Adsorbed.
Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined Aluminum Phosphate Adsorbed.
Tetanus and Diphtheria Toxoids Combined Aluminum Phosphate Adsorbed (For Adult Use).
Tetanus and Diphtheria Toxoids Combined Alum Precipitated (For Adult Use).

Viral and Rickettsial Vaccines

Adenovirus Vaccine.
Influenza Virus Vaccine.
Poliovirus Vaccine, Live, Oral, Trivalent.
Poliovirus Vaccine, Live, Oral, Type 1.
Poliovirus Vaccine, Live, Oral, Type 2.
Poliovirus Vaccine, Live, Oral, Type 3.
Smallpox Vaccine.

Diagnostic Substances for Dermal Tests
Diphtheria Toxin for Schick Test.
Scarlet Fever Streptococcus Toxin for Dick Test.

Miscellaneous

Antivenin (Crotalidae) Polyvalent.
Antivenin (Micrurus fulvius).

License No. 8—Cutter Laboratories, Inc.,
Berkeley, Calif.

Antitoxins

Diphtheria Antitoxin.
Tetanus Antitoxin.

Blood and Blood Derivatives

Antihemophilic Globulin (Human).
Factor IX Complex (Human).
Fibrinogen (Human).
Fibrinogen with Antihemophilic Factor (Human).
Immune Serum Globulin (Human).
Mumps Immune Globulin (Human).
Normal Serum Albumin (Human).
Pertussis Immune Globulin (Human).
Plasma Protein Fraction (Human).
Poliomyelitis Immune Globulin (Human).
Tetanus Immune Globulin (Human).
Thrombin.

Bacterial Vaccines

Cholera Vaccine.
Pertussis Vaccine.
Pertussis Vaccine Aluminum Hydroxide Adsorbed.
Plague Vaccine.
Typhoid Vaccine.
Typhoid and Paratyphoid Vaccine.
Two polyvalent bacterial vaccines with "No U.S. Standard of Potency."

Toxoids and Toxins for Immunization

Diphtheria Toxoid.
Diphtheria Toxoid Aluminum Hydroxide Adsorbed.
Tetanus Toxoid.
Tetanus Toxoid Aluminum Hydroxide Adsorbed.

Multiple Antigen Preparations

Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined.

Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined Aluminum Precipitated.
Diphtheria and Tetanus Toxoids Aluminum Hydroxide Adsorbed and Pertussis Vaccine Combined.
Diphtheria and Tetanus Toxoids Combined.
Diphtheria and Tetanus Toxoids Combined Aluminum Hydroxide Adsorbed.
Diphtheria Toxoid Aluminum Hydroxide Adsorbed and Pertussis Vaccine Combined.
Diphtheria Toxoid and Pertussis Vaccine Combined.
Tetanus Toxoid and Pertussis Vaccine Combined.
Tetanus and Diphtheria Toxoids Combined Aluminum Hydroxide Adsorbed (For Adult Use).

Viral and Rickettsial Vaccines

Equine Encephalomyelitis Vaccine (Eastern).
Equine Encephalomyelitis Vaccine (Western).
Poliomyelitis Vaccine.
Smallpox Vaccine.

Diagnostic Substances for Dermal Tests

Coccidioidin.
Diphtheria Toxin for Schick Test.
Schick Test Control.
Tuberculin, Old.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
Anti-B Blood Grouping Serum.

Miscellaneous

Allergenic Extracts.
Poison Ivy Extract.
Poison Oak Extract.

License No. 17—Lederle Laboratories Division, American Cyanamid Co., Pearl River, N.Y.

Antitoxins

Botulism Antitoxin.
Diphtheria Antitoxin.
Gas Gangrene Polyvalent Antitoxin.
Tetanus Antitoxin.
Tetanus and Gas Gangrene Polyvalent Antitoxin.

Therapeutic Immune Serums

Antirabies Serum.

Blood and Blood Derivatives

Immune Serum Globulin (Human).
Measles Immune Globulin (Human).
Tetanus Immune Globulin (Human).

Bacterial Vaccines

Cholera Vaccine.
Pertussis Vaccine.
Typhoid and Paratyphoid Vaccine.
Four polyvalent bacterial vaccines with
"No U.S. Standard of Potency."

Toxoids and Toxins for Immunization

Staphylococcus Toxoid.
Tetanus Toxoid.
Tetanus Toxoid Aluminum Phosphate
Adsorbed.

Multiple Antigen Preparations

Diphtheria and Tetanus Toxoids and
Pertussis Vaccine Combined Aluminum
Phosphate Adsorbed.
Diphtheria and Tetanus Toxoids Com-
bined Aluminum Phosphate Adsorbed.
Tetanus and Diphtheria Toxoids Com-
bined Aluminum Phosphate Adsorbed
(For Adult Use).

Viral and Rickettsial Vaccines

Influenza Virus Vaccine.
Measles Virus Vaccine, Live, Attenuated.
Mumps Vaccine.
Poliovirus Vaccine, Live, Oral, Trivalent.
Poliovirus Vaccine, Live, Oral, Type 1.
Poliovirus Vaccine, Live, Oral, Type 2.
Poliovirus Vaccine, Live, Oral, Type 3.
Rabies Vaccine.
Rocky Mountain Spotted Fever Vaccine.
Smallpox Vaccine.
Typhus Vaccine.

Diagnostic Substances for Dermal Tests

Histoplasmin.
Lymphogranuloma Venereum Antigen.
Tuberculin, Tine Test.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
Anti-B Blood Grouping Serum.
Anti-A,B Blood Grouping Serum.

Anti-Rh Typing Serums:

Anti-Rh₀ (Anti-D).
Anti-Rh₀' (Anti-CD).
Anti-Rh₀.rh'rh'' (Anti-CDE).
Anti-rh' (Anti-C).
Anti-rh^w (Anti-C^w).
Anti-rh'' (Anti-E).
Anti-hr' (Anti-c).
Anti-hr'' (Anti-e).
Anti-K Serum (Anti-Kell).
Anti-Human Serum.

Miscellaneous

Allergenic Extracts.
Streptokinase—Streptodornase.
Trichinella Extract.

License No. 21—Swiss Serum and Vac-
cine Institute Berne, Berne, Switzer-
land.

Distributors—Norgine Laboratories, Inc.,
New York, and Serums and Vaccines
of America, Assoc., Division of Mural
Laboratories, Inc., Miami, Fla.

Antitoxins

Tetanus Antitoxin.

License No. 30—Sherman Laboratories,
Detroit, Mich.

Bacterial Vaccines

Eight Polyvalent bacterial vaccines with
"No U.S. Standard of Potency".

Bacterial Antigens

One polyvalent bacterial antigen with
"No U.S. Standard of Potency".

Miscellaneous

Poison Ivy Extract.
Poison Oak Extract.
Poison Ivy-Poison Oak Extracts Com-
bined.

License No. 43—Abbott Laboratories,
North Chicago, Ill., and Courtland
Scientific Products Division of Abbott
Laboratories, Chicago, Ill.

Blood and Blood Derivatives

Aggregated Radio-Iodinated (I¹³¹) Al-
bumin (Human).
Radio-Iodinated (I¹²⁵) Serum Albumin
(Human).
Radio-Iodinated (I¹³¹) Serum Albumin
(Human).

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
Anti-B Blood Grouping Serum.
Anti-A,B Blood Grouping Serum.
Anti-Rh Typing Serums:
 Anti-Rh₀ (Anti-D).
 Anti-Rh₀' (Anti-CD).
 Anti-Rh₀. rh' rh'' (Anti-CDE).
 Anti-rh' (Anti-C).
 Anti-rh'' (Anti-E).
 Anti-hr' (Anti-c).
 Anti-hr'' (Anti-e).
Anti-M Serum.
Anti-Human Serum.

License No. 51—The Upjohn Co., Kalamazoo, Mich.

Blood and Blood Derivatives

Thrombin.

License No. 52—E. R. Squibb & Sons, Inc., New Brunswick, N.J.

Blood and Blood Derivatives

Aggregated Radio-Iodinated (I¹³¹) Albumin (Human).
Fibrinogen (Human).
Immune Serum Globulin (Human).
Normal Serum Albumin (Human).
Poliomyelitis Immune Globulin (Human).
Radio-Chromated (Cr⁵¹) Serum Albumin (Human).
Radio-Iodinated (I¹²⁵) Serum Albumin (Human).
Radio-Iodinated (I¹³¹) Serum Albumin (Human).
Tetanus Immune Globulin (Human).

Multiple Antigen Preparations

Staphylococcus Toxoid and Bacterial antigen made from Staphylococcus (Albus and Aureus).

Diagnostic Substances for Dermal Tests

Lymphogranuloma Venereum Antigen.

License No. 56—Eli Lilly & Co., Indianapolis, Ind.

Antitoxins

Diphtheria Antitoxin.
Perfringens Antitoxin.
Tetanus Antitoxin.

Tetanus and Gas Gangrene Polyvalent Antitoxin.

V. septique Antitoxin.

Blood and Blood Derivatives

Measles Immune Globulin (Human).

Bacterial Vaccines

Cholera Vaccine.
Pertussis Vaccine.
Typhoid Vaccine.
Typhoid and Paratyphoid Vaccine.
Six polyvalent bacterial vaccines with "No U.S. Standard of Potency".

Bacterial Antigens

Seven polyvalent bacterial antigens with "No U.S. Standard of Potency".

Toxoids and Toxins for Immunization

Tetanus Toxoid.

Multiple Antigen Preparations

Diphtheria and Tetanus Toxoids and Pertussis Vaccine Alum Precipitated and Poliomyelitis Vaccine.
Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined.
Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined Alum Precipitated.
Diphtheria and Tetanus Toxoids Combined.
Diphtheria and Tetanus Toxoids Combined Alum Precipitated.
Tetanus and Diphtheria Toxoids Combined Alum Precipitated (For Adult Use).

Viral and Rickettsial Vaccines

Influenza Virus Vaccine.
Measles Virus Vaccine, Inactivated.
Measles Virus Vaccine, Live, Attenuated.
Mumps Vaccine.
Poliomyelitis Vaccine.
Rabies Vaccine.
Smallpox Vaccine.
Typhus Vaccine.

Diagnostic Substances for Dermal Tests

Diphtheria Toxin for Schick Test.
Mumps Skin Test Antigen.
Schick Test Control.
Tuberculin, Old.

Miscellaneous

Allergenic Extracts.

License No. 64—Massachusetts Public Health Biologic Laboratories, Boston, Mass.

Antitoxins

Diphtheria Antitoxin.
Tetanus Antitoxin.

Blood and Blood Derivatives

Immune Serum Globulin (Human).
Normal Serum Albumin (Human).
Plasma Protein Fraction (Human).
Poliomyelitis Immune Globulin (Human).
Tetanus Immune Globulin (Human).

Bacterial Vaccines

Pertussis Vaccine.
Typhoid Vaccine.
Typhoid and Paratyphoid Vaccine.

Toxoids and Toxins for Immunization

Diphtheria Toxoid.
Tetanus Toxoid.
Tetanus Toxoid Aluminum Phosphate Precipitated.

Multiple Antigen Preparations

Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined Aluminum Phosphate Precipitated.
Diphtheria and Tetanus Toxoids Combined Aluminum Phosphate Precipitated.
Tetanus and Diphtheria Toxoids Combined Aluminum Phosphate Precipitated (For Adult Use).

Viral and Rickettsial Vaccines

Smallpox Vaccine.

Diagnostic Substances for Dermal Tests

Diphtheria Toxin for Schick Test.
Schick Test Control.
Tuberculin, Old.

License No. 69—Sterling Drug, Inc., Rensselaer, N.Y.

Viral and Rickettsial Vaccines

Influenza Virus Vaccine.

License No. 73—Connaught Medical Research Laboratories, University of Toronto, Willowdale, Ontario, Canada.

Antitoxins

Botulism Antitoxin.
Diphtheria Antitoxin.
Staphylococcus Antitoxin.
Tetanus Antitoxin.

Blood and Blood Derivatives

Normal Serum Albumin (Human).

Bacterial Vaccines

BCG Vaccine.

Toxoids and Toxins for Immunization

Diphtheria Toxoid.
Staphylococcus Toxoid.
Tetanus Toxoid.

Viral and Rickettsial Vaccines

Poliomyelitis Vaccine.
Smallpox Vaccine.

Diagnostic Substances for Dermal Tests

Tuberculin, Purified Protein Derivative.
Distributor—Panray-Parlam Corp., Englewood, N.J.

License No. 77—Mallinckrodt Chemical Works, Maryland Heights, Mo.

Blood and Blood Derivatives

Aggregated Radio-Iodinated (I^{131}) Albumin (Human).
Radio-Iodinated (I^{125}) Serum Albumin (Human).
Radio-Iodinated (I^{131}) Serum Albumin (Human).

License No. 84—Terrell's Laboratories, Fort Worth, Tex.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

Miscellaneous

Allergenic Extracts.

License No. 91—Hollister-Stier Laboratories, Spokane, Wash.; Downers Grove, Ill.; Yeadon, Pa.; Los Angeles, Calif.; Atlanta, Ga.; and Dallas, Tex.

Bacterial Vaccines

Two polyvalent bacterial vaccines with "No U.S. Standard of Potency".

Miscellaneous

Allergenic Extracts.
Poison Ivy Extract.
Poison Oak Extract.
Poison Ivy-Poison Oak Extracts Combined.

License No. 97—Behringwerke AG., Marburg-Lahn, Germany.

Toxoids and Toxins for Immunization
Diphtheria Toxoid Aluminum Hydroxide Adsorbed.
Tetanus Toxoid Aluminum Hydroxide Adsorbed.

Miscellaneous

Streptokinase—Streptodornase.

License No. 99—Bureau of Laboratories, Michigan Department of Public Health, Lansing, Mich.

Antitoxins

Diphtheria Antitoxin.
Tetanus Antitoxin.

Therapeutic Immune Serums

Anti-Hemophilus Influenzae Type b Serum.

Blood and Blood Derivatives

Antihemophilic Globulin (Human).
Fibrinogen (Human).
Immune Serum Globulin (Human).
Normal Horse Serum.
Normal Rabbit Serum.
Normal Serum Albumin (Human).
Tetanus Immune Globulin (Human).
Whole Blood (Human).

ACD.

Bacterial Vaccines

Pertussis Vaccine.
Pertussis Vaccine, Adsorbed.
Typhoid Vaccine.
Typhoid and Paratyphoid Vaccine.

Toxoids and Toxins for Immunization

Diphtheria Toxoid Aluminum Phosphate Adsorbed.
Tetanus Toxoid Aluminum Phosphate Adsorbed.

Multiple Antigen Preparations

Diphtheria and Tetanus Toxoids Combined Aluminum Phosphate Adsorbed.

Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined Aluminum Phosphate Adsorbed.

Viral and Rickettsial Vaccines

Rabies Vaccine.
Smallpox Vaccine.

Diagnostic Substances for Dermal Tests

Diphtheria Toxin for Schick Test.
Histoplasmin.
Schick Test Control.
Tuberculin, Old.

Diagnostic Substances for Laboratory Tests

Pneumococcus Typing Serum.

License No. 101—The National Drug Co., Division of Richardson-Merrell, Inc., Philadelphia, Pa., and Swiftwater, Pa.

Antitoxins

Diphtheria Antitoxin.
Gas Gangrene Polyvalent Antitoxin.
Tetanus Antitoxin.
Tetanus-Gas Gangrene Polyvalent Antitoxin.

Bacterial Vaccines

Cholera Vaccine.
Pertussis Vaccine.
Typhoid Vaccine.
Typhoid and Paratyphoid Vaccine.
Two polyvalent vaccines with "No U.S. Standard of Potency".

Toxoids and Toxins for Immunization

Diphtheria Toxoid.
Scarlet Fever Streptococcus Toxin for Immunization.
Staphylococcus Toxoid.
Streptococcus Erythrogenic Toxin.
Tetanus Toxoid.

Multiple Antigen Preparations

Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined.
Diphtheria and Tetanus Toxoids Alum Precipitated and Pertussis Vaccine Combined.
Diphtheria and Tetanus Toxoids Combined Alum Precipitated.
Diphtheria Toxoid Alum Precipitated and Pertussis Vaccine Combined.

Staphylococcus Toxoid and Bacterial Vaccine made from Staphylococcus (Aureus).

Staphylococcus Toxoid—Streptococcus Toxin—Bacterial Vaccine made from Staphylococcus (Aureus), Streptococcus (Hemolyticus), Pneumococcus and Hemophilus Influenzae.

Tetanus and Diphtheria Toxoids Combined Alum Precipitated (For Adult Use).

Viral and Rickettsial Vaccines

Influenza Virus Vaccine.

Rabies Vaccine.

Smallpox Vaccine.

Typhus Vaccine.

Yellow Fever Vaccine.

Diagnostic Substances for Dermal Tests

Diphtheria Toxin for Shick Test.

Schick Test Control.

License No. 102—Mulford Colloid Laboratories, Philadelphia, Pa.

Miscellaneous

Poison Ivy Extract.

Poison Oak Extract.

Tincture Poison Ivy.

License No. 103—Allergy Laboratories, Inc., Oklahoma City, Okla.

Miscellaneous

Allergenic Extracts.

License No. 107—Porro Biological Laboratories, Tacoma, Wash.

Miscellaneous

Allergenic Extracts.

License No. 110—Pitman-Moore, Division of The Dow Chemical Co., Zionsville, Ind.

Antitoxins

Perfringens Antitoxin.

Tetanus Antitoxin.

Tetanus and Gas Gangrene Polyvalent Antitoxin.

V. septique Antitoxin.

Blood and Blood Derivatives

Immune Serum Globulin (Human).

Normal Serum Albumin (Human).

Poliomyelitis Immune Globulin (Human).

Tetanus Immune Globulin (Human).

Bacterial Vaccines

Pertussis Vaccine.

Typhoid Vaccine.

Typhoid and Paratyphoid Vaccine.

Toxoids and Toxins for Immunization

Diphtheria Toxoid.

Staphylococcus Toxoid.

Tetanus Toxoid.

Multiple Antigen Preparations

Adenovirus and Influenza Virus Vaccines Combined Aluminum Hydroxide Adsorbed.

Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined Alum Precipitated.

Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined Aluminum Phosphate Adsorbed.

Diphtheria and Tetanus Toxoids and Pertussis and Poliomyelitis Vaccines Aluminum Phosphate Adsorbed.

Diphtheria and Tetanus Toxoids and Poliomyelitis Vaccine.

Diphtheria and Tetanus Toxoids Combined Alum Precipitated.

Diphtheria Toxoid Alum Precipitated and Pertussis Vaccine Combined.

Viral and Rickettsial Vaccines

Adenovirus Vaccine.

Influenza Virus Vaccine.

Measles Virus Vaccine, Live, Attenuated.

Poliomyelitis Vaccine.

Rabies Vaccine.

Typhus Vaccine.

License No. 113—Michael Reese Research Foundation, Chicago, Ill.

Therapeutic Immune Serums

Mumps Immune Serum (Human).

Blood and Blood Derivatives

Antihemophilic Plasma (Human).

Normal Human Plasma.

Normal Human Serum.

Packed Red Blood Cells (Human).

Resuspended Red Blood Cells (Human).

Single Donor Plasma (Human).

Whole Blood (Human).

ACD.

Heparin.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
Anti-B Blood Grouping Serum.
Anti-A,B Blood Grouping Serum.
Absorbed Anti-A Serum.
Anti-Rh Typing Serums:
 Anti-Rh₀ (Anti-D).
 Anti-Rh₀' (Anti-CD).
 Anti-Rh₀'' (Anti-DE).
 Anti-Rh₀ rh' rh'' (Anti-CDE).
 Anti-rh' (Anti-C).
 Anti-rh'' (Anti-E).
 Anti-hr' (Anti-c).
 Anti-hr'' (Anti-e).
Anti-K Serum (Anti-Kell).
Anti-Le^s Serum (Anti-Lewis).
Anti-M Serum.
Anti-N Serum.
Anti-U Serum (Anti-Ss).
Anti-Human Serum.
Reagent Red Blood Cells (Human).

Miscellaneous

Blood Group Specific Substance A.
Blood Group Specific Substance B.
Blood Group Specific Substances A and B.

License No. 119—Barry Laboratories, Inc., Detroit, Mich.

Bacterial Vaccines

Nine polyvalent bacterial vaccines with "No U.S. Standard of Potency".

Miscellaneous

Allergenic Extracts.
Poison Ivy Extracts.
Poison Ivy Extract Alum Precipitated.
Poison Ivy-Oak-Sumac Extracts Combined.
Poison Sumac Extract.

License No. 120—Bureau of Biologic Products, Division of Laboratories, Illinois Department of Public Health, Chicago, Ill.

Bacterial Vaccines

Pertussis Vaccine.
Typhoid Vaccine.
Typhoid and Paratyphoid Vaccine.
Toxoids and Toxins for Immunization
Diphtheria Toxoid.

Multiple Antigen Preparations

Diphtheria Toxoid Alum Precipitated and Pertussis Vaccine Combined.

Viral and Rickettsial Vaccines

Rabies Vaccine.

Diagnostic Substances for Dermal Tests

Diphtheria Toxin for Schick Test.

License No. 121—Texas State Department of Health, Austin, Tex.

Bacterial Vaccines

Pertussis Vaccine.

Typhoid Vaccine.

Toxoids and Toxins for Immunization

Diphtheria Toxoid.
Diphtheria Toxoid Aluminum Hydroxide Precipitated.
Tetanus Toxoid.
Tetanus Toxoid Aluminum Hydroxide Precipitated.

Multiple Antigen Preparations

Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined Aluminum Hydroxide Precipitated.
Diphtheria and Tetanus Toxoids Combined Aluminum Hydroxide Precipitated.
Tetanus and Diphtheria Toxoids Combined Aluminum Hydroxide Precipitated (For Adult Use).

Viral and Rickettsial Vaccines

Rabies Vaccine.

Diagnostic Substances for Dermal Tests

Diphtheria Toxin for Schick Test.
Schick Test Control.
Tuberculin, Old.

License No. 125—Hynson, Westcott & Dunning, Baltimore, Md.

Miscellaneous

Cobra Venom Solution.
Cobra Venom with Silicic and Formic Acids.

License No. 129—The Wellcome Foundation, Ltd., Wellcome Research Laboratories, Beckenham, Kent, England.

Antitoxins

Gas Gangrene Polyvalent Antitoxin.
Tetanus Antitoxin.

Diagnostic Substances for Laboratory Tests

Anti-Human Chorionic Gonadotropic Serum.

Miscellaneous

Russell Viper Venom.

License No. 139—The Philadelphia Blood Center, Philadelphia, Pa.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).

Poliomyelitis Immune Globulin (Human).

Single Donor Plasma (Human).

Whole Blood (Human).

ACD.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.

Anti-B Blood Grouping Serum.

Anti-A,B Blood Grouping Serum.

Absorbed Anti-A Serum.

Anti-Rh Typing Serums:

Anti-Rh₀ (Anti-D).

Anti-Rh₀' (Anti-CD).

Anti-Rh₀'' (Anti-DE).

Anti-Rh₀.rh' rh'' (Anti-CDE).

Anti-rh' (Anti-C).

Anti-rh'' (Anti-E).

Anti-hr' (Anti-c).

Anti-hr'' (Anti-e).

Anti-Fy^a Serum (Anti-Duffy).

Anti-K Serum (Anti-Kell).

Anti-M Serum.

Anti-N Serum.

Anti-Human Serum.

Reagent Red Blood Cells (Human).

License No. 140—Travenol Laboratories, Inc., Morton Grove, Ill., and Cleveland, Miss.; Hyland Division Travenol Laboratories, Inc., Los Angeles, Calif.

Therapeutic Immune Serums

Anti-Hemophilus Influenzae Type b Serum.

Blood and Blood Derivatives

Antihemophilic Factor (Human).

Antihemophilic Plasma (Human).

Fibrinogen (Human).

Immune Serum Globulin (Human).

Measles Immune Globulin (Human).

Mumps Immune Globulin (Human).

Normal Human Plasma.

Normal Serum Albumin (Human).

Packed Red Blood Cells (Human).

Pertussis Immune Globulin (Human).

Plasma Protein Fraction (Human).

Poliomyelitis Immune Globulin (Human).

Tetanus Immune Globulin (Human).

Vaccinia Immune Globulin (Human).

Whole Blood (Human).

ACD.

CPD.

Bacterial Antigens

Pseudomonas Polysaccharide.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.

Anti-B Blood Grouping Serum.

Anti-A,B Blood Grouping Serum.

Absorbed Anti-A Serum.

Anti-Rh Typing Serums:

Anti-Rh₀ (Anti-D).

Anti-Rh₀' (Anti-CD).

Anti-Rh₀'' (Anti-DE).

Anti-Rh₀.rh' rh'' (Anti-CDE).

Anti-rh' (Anti-C).

Anti-rh'' (Anti-E).

Anti-hr' (Anti-c).

Anti-hr'' (Anti-e).

Anti-rh^w (Anti-C^w).

Anti-Fy^a Serum (Anti-Duffy).

Anti-I Serum.

Anti-K Serum (Anti-Kell).

Anti-Le^a Serum (Anti-Lewis).

Anti-M Serum.

Anti-N Serum.

Anti-S Serum.

Anti-s Serum.

Anti-Human Chorionic Gonadotropic Serum.

Anti-Human Serum.

Haemophilus influenzae Typing Serum.

Reagent Red Blood Cells (Human).

License No. 147—Endo Laboratories, Inc., Garden City, N.Y.

Miscellaneous

Allergenic Extracts.

License No. 149—Armour Pharmaceutical Co., Chicago, Ill., Kankakee, Ill.

Blood and Blood Derivatives

Immune Serum Globulin (Human).

Normal Serum Albumin (Human).

Poliomyelitis Immune Globulin (Human).

License No. 152—Gotham Pharmaceutical Co., Inc., Brooklyn, N.Y.

Miscellaneous

Allergenic Extracts.

License No. 154—John Elliott Blood Bank of Dade County, Inc., Miami, Fla.

Blood and Blood Derivatives

**Whole Blood (Human).
ACD.**

License No. 155—Wiener Serum Laboratory, Brooklyn, N.Y.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.

Anti-B Blood Grouping Serum.

Absorbed Anti-A Serum.

Anti-Rh Typing Serums:

Anti-Rh₀ (Anti-D).

Anti-Rh₀' (Anti-CD).

Anti-Rh₀'' (Anti-DE).

Anti-rh' (Anti-C).

Anti-rh'' (Anti-E).

Anti-hr' (Anti-c).

Anti-hr'' (Anti-e).

Anti-Fy^a Serum (Anti-Duffy).

Anti-k Serum (Anti-Cellano).

Anti-K Serum (Anti-Kell).

Anti-rh^w and Anti-K Serum (Anti-(C^w + Kell)).

Anti-M Serum.

Anti-N Serum.

Anti-Human Serum.

License No. 156—Ortho Pharmaceutical Corp., Raritan, N.J.

Blood and Blood Derivatives

Fibrinogen (Human).

Fibrinolysin (Human).

Immune Serum Globulin (Human).

Normal Serum Albumin (Human).

Profibrinolysin (Human).

Rh₀ (D) Immune Globulin (Human).

Thrombin.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.

Anti-B Blood Grouping Serum.

Anti-A,B Blood Grouping Serum.

Absorbed Anti-A Serum.

Anti-Rh Typing Serums:

Anti-Rh₀ (Anti-D).

Anti-Rh₀' (Anti-CD).

Anti-Rh₀'' (Anti-DE).

Anti-Rh₀ rh' rh'' (Anti-CDE).

Anti-rh' (Anti-C).

Anti-rh'' (Anti-E).

Anti-hr' (Anti-c).

Anti-hr'' (Anti-e).

Anti-rh^w (Anti-C^w).

Anti-Fy^a Serum (Anti-Duffy).

Anti-k Serum (Anti-Cellano).

Anti-K Serum (Anti-Kell).

Anti-M Serum.

Anti-N Serum.

Anti-P Serum.

Anti-S Serum.

Anti-s Serum.

Anti-Human Chorionic Gonadotropic Serum.

Anti-Human Serum.

Reagent Red Blood Cells (Human).

License No. 157—Certified Blood Donor Service, Inc., Woodbury, N.Y.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.

Anti-B Blood Grouping Serum.

Anti-A,B Blood Grouping Serum.

Absorbed Anti-A Serum.

Anti-Rh Typing Serums:

Anti-Rh₀ (Anti-D).

Anti-Rh₀' (Anti-CD).

Anti-Rh₀'' (Anti-DE).

Anti-Rh₀ rh' rh'' (Anti-CDE).

Anti-rh' (Anti-C).

Anti-rh'' (Anti-E).

Anti-hr' (Anti-c).

Anti-hr'' (Anti-e).

Anti-rh^w (Anti-C^w).

Anti-Fy^a Serum (Anti-Duffy).

Anti-k Serum (Anti-Cellano).

Anti-K Serum (Anti-Kell).

Anti-M Serum.

Anti-N Serum.

Anti-P Serum.

Anti-S Serum.

Anti-Human Serum.

Reagent Red Blood Cells (Human).

License No. 158—Washington Blood Laboratory, Washington, D.C.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
Anti-B Blood Grouping Serum.
Anti-A,B Blood Grouping Serum.
Absorbed Anti-A Blood Grouping Serum.
Anti-Rh Typing Serums:
Anti-Rh₀ (Anti-D).
Anti-Rh₀' (Anti-CD).
Anti-Rh₀'' (Anti-DE).
Anti-Rh₀ rh' rh'' (Anti-CDE).
Anti-rh' (Anti-C).
Anti-rh'' (Anti-C).
Anti-hr' (Anti-c).
Anti-Human Serum.

License No. 159—Blood Grouping Laboratory of Boston, Inc., Boston, Mass.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
Anti-B Blood Grouping Serum.
Absorbed Anti-A Serum.
Anti-Rh Typing Serums:
Anti-Rh₀ (Anti-D).
Anti-Rh₀' (Anti-CD).
Anti-rh' (Anti-C).
Anti-rh'' (Anti-E).
Anti-hr' (Anti-c).
Anti-hr'' (Anti-c).
Anti-rh^w (Anti-C^w).
Anti-Rh₀+Rh₀ (Anti-D+D^u).
Anti-Fy^a Serum (Anti-Duffy).
Anti-Gr (V_w) Serum.
Anti-Jk^a Serum (Anti-Kidd).
Anti-K Serum (Anti-Kell).
Anti-Kp^a Serum (Anti-Penney).
Anti-Kp^b and Anti-K Serum (Anti-Rautenberg and Anti-Kell).
Anti-Le^a Serum (Anti-Lewis).
Anti-Le^b Serum.
Anti-M Serum.
Anti-M^s Serum.
Anti-P Serum.
Anti-S Serum.
Anti-s Serum.
Anti-Wr^a Serum (Anti-Wright).
Anti-Human Serum.

License No. 163—High Titer Serum Laboratory, New York, N.Y.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
Anti-B Blood Grouping Serum.
Absorbed Anti-A Serum.
Anti-Rh Typing Serums:
Anti-Rh₀ (Anti-D).
Anti-Rh₀' (Anti-CD).
Anti-Rh₀'' (Anti-DE).
Anti-rh' (Anti-C).
Anti-rh'' (Anti-E).

License No. 164—Chas. Pfizer & Co., Inc., New York, N.Y., Terre Haute, Ind., and Philadelphia, Pa.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).
Single Donor Plasma (Human).
Whole Blood (Human).
ACD.
Heparin.

Toxoids and Toxins for Immunization

Diphtheria Toxoid Alum Precipitated.
Tetanus Toxoid Alum Precipitated.

Multiple Antigen Preparations

Tetanus and Diphtheria Toxoids Combined Alum Precipitated (For Adult Use).

Viral and Rickettsial Vaccines

Influenza Virus Vaccine.
Measles Virus Vaccine, Inactivated.
Measles Virus Vaccine, Live, Attenuated.
Poliomyelitis Vaccine.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
Anti-B Blood Grouping Serum.
Anti-A,B Blood Grouping Serum.
Absorbed Anti-A Serum.
Anti-Rh Typing Serums:
Anti-Rh₀ (Anti-D).
Anti-Rh₀' (Anti-CD).
Anti-Rh₀'' (Anti-DE).
Anti-Rh₀ rh' rh'' (Anti-CDE).
Anti-rh' (Anti-C).
Anti-rh'' (Anti-E).
Anti-hr' (Anti-c).
Anti-hr'' (Anti-e).
Anti-hr^v (Anti-V).
Anti-rh^w (Anti-C^w).
Anti-Di^a Serum (Anti-Diego).
Anti-Fy^a Serum (Anti-Duffy).

Anti-Fy^b Serum.
 Anti-Jk^a Serum (Anti-Kidd).
 Anti-Jk^b Serum.
 Anti-K Serum (Anti-Kell).
 Anti-Kp^a Serum (Anti-Penney).
 Anti-Kp^b Serum (Anti-Rautenberg).
 Anti-k Serum (Anti-Cellano).
 Anti-Le^a Serum (Anti-Lewis).
 Anti-Lu^a Serum (Anti-Lutheran).
 Anti-M Serum.
 Anti-N Serum.
 Anti-P Serum.
 Anti-S Serum.
 Anti-s Serum.
 Anti-U Serum (Anti-Ss).
 Anti-Human Serum.
 Reagent Red Blood Cells (Human).

Miscellaneous

Blood Group Specific Substance A.
 Blood Group Specific Substance B.
 License No. 165—Blood Bank Foundation, Nashville, Tenn.

Blood and Blood Derivatives

Antihemophilic Plasma (Human).
 Normal Human Plasma.
 Packed Red Blood Cells (Human).
 Resuspended Red Blood Cells (Human).
 Single Donor Plasma (Human).
 Whole Blood (Human).
 ACD.
 Heparin.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
 Anti-B Blood Grouping Serum.
 Anti-A,B Blood Grouping Serum.
 Absorbed Anti-A Serum.
 Anti-Rh Typing Serums:
 Anti-Rh₀ (Anti-D).
 Anti-Rh₀' (Anti-CD).
 Anti-Rh₀'' (Anti-DE).
 Anti-Rh₀ rh' rh'' (Anti-CDE).
 Anti-rh' (Anti-C).
 Anti-rh'' (Anti-E).
 Anti-hr' (Anti-c).
 Anti-hr'' (Anti-e).
 Anti-K Serum (Anti-Kell).
 Anti-Human Serum.

License No. 166—Belle Bonfils Memorial Blood Bank, Denver, Colo.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).

Resuspended Red Blood Cells (Human).
 Single Donor Plasma (Human).
 Whole Blood (Human).
 ACD.
 Heparin.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
 Anti-B Blood Grouping Serum.
 Anti-Rh Typing Serums:
 Anti-Rh₀ (Anti-D).
 Anti-Rh₀' (Anti-CD).
 Anti-rh'' (Anti-E).
 Anti-hr' (Anti-c).
 Anti-hr'' (Anti-e).
 Anti-Fy^a Serum (Anti-Duffy).
 Anti-K Serum (Anti-Kell).

License No. 167—J. K. and Susie L. Wadley Research Institute and Blood Bank, Dallas, Tex.

Blood and Blood Derivatives

Whole Blood (Human).
 ACD.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
 Anti-B Blood Grouping Serum.
 Anti-A,B Blood Grouping Serum.
 Anti-Rh Typing Serums:
 Anti-Rh₀ (Anti-D).
 Anti-rh' (Anti-C).
 Anti-rh'' (Anti-E).
 Anti-hr' (Anti-c).
 Anti-Human Serum.

License No. 168—Mount Sinai Medical Research Foundation, Chicago, Ill.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).
 Whole Blood (Human).
 ACD.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
 Anti-B Blood Grouping Serum.
 Anti-Rh Typing Serums:
 Anti-Rh₀ (Anti-D).
 Anti-M Serum.
 Anti-N Serum.
 Anti-Human Serum.
 Reagent Red Blood Cells (Human).

License No. 169—Chicago Blood Donor Service, Inc., Chicago, Ill.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).
Single Donor Plasma (Human).
Whole Blood (Human).
ACD.
Heparin.

License No. 170—Jackson Blood Bank, Jackson, Tenn.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 171—Courtland Laboratories, Los Angeles, Calif.

Therapeutic Immune Serums

Chickenpox Immune Serum (Human).
Measles Immune Serum (Human).
Mumps Immune Serum (Human).
Pertussis Immune Serum (Human).
Scarlet Fever Immune Serum (Human).

Blood and Blood Derivatives

Antihemophilic Factor (Human).
Antihemophilic Plasma (Human).
Immune Serum Globulin (Human).
Normal Serum Albumin (Human).
Normal Human Plasma.
Packed Red Blood Cells (Human).
Plasma Protein Fraction (Human).
Poliomyelitis Immune Globulin (Human).
Whole Blood (Human).
ACD.

License No. 173—Interstate Blood Bank, Inc., Memphis, Tenn., and Philadelphia, Pa.

Blood and Blood Derivatives

Single Donor Plasma (Human).
Whole Blood (Human).
ACD.
Heparin.

License No. 175—Inter-County Blood Banks, Inc., Rockville Centre, N.Y.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).
Whole Blood (Human).
ACD.

License No. 178—California Transfusion Service, Los Angeles, Calif.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 179—Dade Reagents, Inc., Miami, Fla.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
Anti-B Blood Grouping Serum.
Anti-A,B Blood Grouping Serum.
Absorbed Anti-A Serum.
Anti-Rh Typing Serums:

Anti-Rh. (Anti-D).
Anti-Rh.' (Anti-CD).
Anti-Rh.'' (Anti-DE).
Anti-Rh.rh'rh'' (Anti-CDE).
Anti-rh' (Anti-C).
Anti-rh'' (Anti-E).
Anti-hr' (Anti-c).
Anti-hr'' (Anti-e).
Anti-rh^w (Anti-C^w).

Anti-Fy^a Serum (Anti-Duffy).
Anti-Fy^b Serum.
Anti-k Serum (Anti-Cellano).
Anti-K Serum (Anti-Kell).
Anti-Le^a Serum (Anti-Lewis).
Anti-Le^b Serum.
Anti-M Serum.
Anti-M^s Serum.
Anti-N Serum.
Anti-P Serum.
Anti-S Serum.
Anti-s Serum.
Anti-Human Serum.
Reagent Red Blood Cells (Human).

Miscellaneous

Reagent Blood Group Specific Substances A and B.

License No. 181—Jacksonville Blood Bank, Inc., Jacksonville, Fla.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).
Whole Blood (Human).
ACD.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
Anti-B Blood Grouping Serum.

Anti-Rh Typing Serums:

Anti-Rh. (Anti-D).
Anti-Human Serum.

License No. 182—Irwin Memorial Blood Bank of the San Francisco Medical Society, San Francisco, Calif.

Blood and Blood Derivatives

Normal Human Plasma.
Packed Red Blood Cells (Human).
Single Donor Plasma (Human).
Whole Blood (Human).
ACD.
Heparin.

License No. 183—Blood Services, Scottsdale, Ariz.

This establishment license includes the following locations:

Blood Services of Arizona, Phoenix, Ariz.
Blood Services of Fort Smith, Fort Smith, Ark.
Blood Services of Arkansas, Little Rock, Ark.
Blood Services of El Paso, El Paso, Tex.
Blood Services of Harlingen, Harlingen, Tex.
Blood Services of Houston, Houston, Tex.
Blood Services of Las Vegas, Las Vegas, Nev.
Blood Services of Louisiana, Lafayette, La.
Blood Services of Lubbock, Lubbock, Tex.
Blood Services of Mississippi, Meridian, Miss.
Blood Services of Montana, Billings, Mont.
Blood Services of Butte, Butte, Mont.
Blood Services of Reno, Reno, Nev.
Blood Services of New Mexico, Albuquerque, N. Mex.
Blood Services of North Dakota, Fargo, N. Dak.
Blood Services of Minot, Minot, N. Dak.
Blood Services of San Antonio, San Antonio, Tex.
Blood Services of South Dakota, Rapid City, S. Dak.
Blood Services of Texarkana, Texarkana, Tex.
Blood Services of Wyoming, Cheyenne, Wyo.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).
Single Donor Plasma (Human).
Whole Blood (Human).
ACD.

License No. 185—Minneapolis War Memorial Blood Bank, Minneapolis, Minn.

Blood and Blood Derivatives

Normal Human Plasma.
Packed Red Blood Cells (Human).
Resuspended Red Blood Cells (Human).
Single Donor Plasma (Human).
Whole Blood (Human).
ACD.
Heparin.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
Anti-B Blood Grouping Serum.
Anti-Rh Typing Serums:
Anti-Rh. (Anti-D).
Anti-Rh.' (Anti-CD).
Anti-rh' (Anti-C).
Anti-rh'' (Anti-E).
Anti-hr' (Anti-c).

License No. 187—Milwaukee Blood Center, Inc., Milwaukee, Wis.

Blood and Blood Derivatives

Normal Human Plasma.
Packed Red Blood Cells (Human).
Single Donor Plasma (Human).
Whole Blood (Human).
ACD.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
Anti-B Blood Grouping Serum.
Anti-Rh Typing Serums:
Anti-Rh. (Anti-D).
Anti-Rh.' (Anti-CD).
Anti-Rh. rh'rh'' (Anti-CDE).
Anti-Human Serum.

License No. 188—Research Foundation and University of Illinois, Chicago, Ill.

Bacterial Vaccines

BCG Vaccine.

License No. 190—The American National Red Cross, Washington, D.C.

This establishment license includes the following locations:

Albany, N.Y.
Asheville, N.C.
Atlanta, Ga.
Baltimore, Md.
Birmingham, Ala.
Boise, Idaho.
Boston, Mass.
Buffalo, N.Y.
Burlington, Vt.
Charleston, S.C.
Charlotte, N.C.
Chicago, Ill.
Cleveland, Ohio.
Columbia, S.C.
Columbus, Ohio.
Daytona Beach, Fla.
Detroit, Mich.
Flint, Mich.
Fort Wayne, Ind.
Galesburg, Ill.
Great Falls, Mont.
Hartford, Conn.
Huntington, W. Va.
Johnstown, Pa.
Lansing, Mich.
Little Rock, Ark.
Los Angeles, Calif.
Louisville, Ky.
Madison, Wis.
Mobile, Ala.
Muskegon, Mich.
Nashville, Tenn.
New Brighton, Pa.
New York, N.Y.
Norfolk, Va.
Omaha, Nebr.
Peoria, Ill.
Philadelphia, Pa.
Portland, Oreg.
Rio Piedras, P.R.
Roanoke, Va.
Rochester, N.Y.
Salt Lake City, Utah.
San Jose, Calif.
Savannah, Ga.
Springfield, Mo.
St. Louis, Mo.
St. Paul, Minn.
Syracuse, N.Y.
Toledo, Ohio.
Tulsa, Okla.
Tucson, Ariz.

Waco, Tex.
Washington, D.C.
Waterloo, Iowa.
Wichita Falls, Tex.
Wichita, Kans.
Wilkes-Barre, Pa.
Yakima, Wash.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).
Single Donor Plasma (Human).
Whole Blood (Human).

ACD.
Heparin.

License No. 191—Blood Bank of the Alameda-Contra Costa Medical Association, Oakland, Calif.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).
Resuspended Red Blood Cells (Human).
Single Donor Plasma (Human).
Whole Blood (Human).

ACD.
Heparin.

License No. 192—King County Central Blood Bank, Inc., Seattle, Wash.

Blood and Blood Derivatives

Normal Human Plasma.
Whole Blood (Human).

ACD.

License No. 193—Center Laboratories, Port Washington, N.Y.

Miscellaneous

Allergenic Extracts.

License No. 194—Sacramento Medical Foundation Blood Bank, Sacramento, Calif.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).
Single Donor Plasma (Human).
Whole Blood (Human).

ACD.

License No. 195—Peninsula Memorial Blood Bank, Burlingame, Calif.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).
Whole Blood (Human).

ACD.

License No. 197—Sonoma County Community Blood Bank, Santa Rosa, Calif.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 198—Tri-Counties Blood Bank, Inc., Santa Barbara, Calif.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).
Single Donor Plasma (Human).
Whole Blood (Human).
ACD.

License No. 199—Blood Bank of Hawaii, Honolulu, Hawaii.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 201—San Diego Blood Bank, San Diego, Calif.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 202—Tacoma-Pierce County Blood Bank, Tacoma, Wash.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).
Single Donor Plasma (Human).
Whole Blood (Human).
ACD.

License No. 203—Spokane & Inland Empire Blood Bank, Spokane, Wash.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).
Single Donor Plasma (Human).
Whole Blood (Human).
ACD.

License No. 204—Virginia Blood Bank, Inc., Richmond, Va.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

Diagnostic Substances for Laboratory Tests

Anti-B Blood Grouping Serum.

License No. 209—Maxwell Blood Bank, The Children's Memorial Hospital, Chicago, Ill.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 212—District of Columbia General Hospital, Washington, D.C.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).
Whole Blood (Human).
ACD.

License No. 213—Blood Bank of the Washington Hospital Center, Washington, D.C.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 214—Doctors Hospital Blood Bank, Washington, D.C.

Whole Blood (Human).
ACD.
CPD.

License No. 215—Blood Grouping Laboratory, Washington, D.C.

Blood and Blood Derivatives

Normal Human Plasma.
Packed Red Blood Cells (Human).
Resuspended Red Blood Cells (Human).
Whole Blood (Human).
ACD.
CPD.

License No. 218—Providence Hospital Blood Bank, Washington, D.C.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 220—Broome County Blood Center, Binghamton, N.Y.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 221—Essex County Blood Bank, East Orange, N.J.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).

Single Donor Plasma (Human).

Whole Blood (Human).

ACD.

Heparin.

License No. 222—Aurora Area Blood Bank, Aurora, Ill.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).

Single Donor Plasma (Human).

Whole Blood (Human).

ACD.

Heparin.

License No. 224—Community Blood and Plasma Service, Inc., Birmingham, Ala.; Mobile, Ala.; Jackson, Miss.; and New York, N.Y.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).

Single Donor Plasma (Human).

Whole Blood (Human).

ACD.

Heparin.

License No. 226—Blood Bank of San Bernardino and Riverside Counties, Inc., San Bernardino, Calif.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

License No. 227—Central Florida Blood Bank, Inc., Orlando, Fla.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

License No. 228—Southwest Florida Blood Bank, Inc., Tampa, Fla.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).

Whole Blood (Human).

ACD.

CPD.

License No. 230—Northern California Community Blood Bank, Eureka, Calif.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

License No. 231—Dubuque Blood Bank Association, Dubuque, Iowa.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

License No. 233—Ochsner Foundation Hospital Blood Bank, New Orleans, La.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

CPD.

License No. 234—Central Blood Bank of Pittsburgh, Pittsburgh, Pa.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).

Single Donor Plasma (Human).

Whole Blood (Human).

ACD.

License No. 235—University of Cincinnati Blood Transfusion Service, Cincinnati, Ohio

Blood and Blood Derivatives

Packed Red Blood Cells (Human).

Resuspended Red Blood Cells (Human).

Single Donor Plasma (Human).

Whole Blood (Human).

ACD.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.

Anti-B Blood Grouping Serum.

Anti-Rh Typing Serums:

Anti-Rh. (Anti-D).

Reagent Red Blood Cells (Human).

License No. 237—Shreveport Emergency Blood Bank, Inc., Shreveport, La.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

CPD.

License No. 238—Istituto Sieroterapico Vaccinogeno Toscano Sclavo, Siena, Italy.

Antitoxins

Diphtheria Antitoxin.
Tetanus Antitoxin.

Therapeutic Immune Serums

Antirabies Serum.

Bacterial Vaccines

Typhoid and Paratyphoid Vaccine.

Toxoids and Toxins for Immunization

Diphtheria Toxoid.
Diphtheria Toxoid Aluminum Hydroxide Adsorbed.
Diphtheria Toxoid Aluminum Phosphate Adsorbed.
Staphylococcus Toxoid.
Tetanus Toxoid.
Tetanus Toxoid Aluminum Hydroxide Adsorbed.

License No. 239—Houchin Community Blood Bank, Bakersfield, Calif.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 240—Memphis Blood Center, Inc., Memphis, Tenn.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).
Single Donor Plasma (Human).
Whole Blood (Human).
ACD.
Heparin.

License No. 241—Community Blood and Plasma Service, Inc. of Texas, Houston, Tex., Dallas, Tex., and Los Angeles, Calif.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.
Heparin.

License No. 244—Travis County Medical Society Blood Bank, Austin, Tex.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 246—Coffee Memorial Blood Center, Inc., Amarillo, Tex.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 248—Central Blood Bank, Inc., South Bend, Ind.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.
CPD.

License No. 249—Northern Illinois Blood Bank, Inc., Rockford, Ill.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 250—St. Luke's Hospital Blood Bank, Aberdeen, S. Dak.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 251—Jacob Blumberg Memorial Blood Bank, Inc., of the Lake County Medical Society, Waukegan, Ill.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 254—Knoxville Blood Center, Inc., Knoxville, Tenn.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).
Single Donor Plasma (Human).
Whole Blood (Human).
ACD.
Heparin.

License No. 258—Osterreichisches Institut für Haemoderivate, Vienna, Austria.

Distributor—Philips Roxane, Inc.,
Columbus, Ohio

Blood and Blood Derivatives

Immune Serum Globulin (Human).
Plasma Protein Fraction (Human).
Poliomyelitis Immune Globulin (Human).
Tetanus Immune Globulin (Human).

License No. 259—Holston Valley Community Hospital Blood Bank, Kingsport, Tenn.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

CPD.

License No. 260—St. Francis Hospital Blood Bank, Trenton, N.J.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

License No. 261—Hospital Blood Service, Inc., Detroit, Mich.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

License No. 263—The Community Blood Bank of Norton, Inc., Norton, Va.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

License No. 265—W. E. and Lela I. Stewart Blood Services, Inc., Tyler, Tex.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

License No. 266—Blood Bank of The Bryn Mawr Hospital, Bryn Mawr, Pa.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

License No. 267—Blood Bank of St. Luke's Hospital (Duluth), Duluth, Minn.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

License No. 268—Interstate Blood Bank, Inc., St. Louis, Mo.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

Heparin.

License No. 269—Beverly Blood Center, Inc., Chicago, Ill.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).

Single Donor Plasma (Human).

Whole Blood (Human).

ACD.

CPD.

Heparin.

License No. 270—Marietta Memorial Hospital, Marietta, Ohio.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

CPD.

License No. 271—St. Luke's Memorial Hospital Blood Bank, Racine, Wis.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

License No. 272—Michigan Community Blood Center, Detroit, Mich., Grand Rapids, Mich., and Saginaw, Mich.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).

Single Donor Plasma (Human).

Whole Blood (Human).

ACD.

Heparin.

License No. 273—Oklahoma City Community Blood Bank, Inc., Oklahoma City, Okla.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

License No. 274—Bergen Community Blood Bank, Paramus, N.J.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).

Single Donor Plasma (Human).

Whole Blood (Human).

ACD.

Heparin.

License No. 276—Western Pennsylvania Blood Center, Inc., Pittsburgh, Pa.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).

Single Donor Plasma (Human).

Whole Blood (Human).

ACD.

License No. 277—Community Memorial General Hospital, La Grange, Ill.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 278—Pioneer Blood Service, Inc., Brooklyn, N.Y.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).
Single Donor Plasma (Human).
Whole Blood (Human).
ACD.

License No. 279—Menolasino Laboratories, Chicago, Ill.

Diagnostic Substances for Laboratory Tests

Anti-Human Serum.

License No. 283—Hoffmann Laboratories, Inc., Fair Lawn, N.J.

Bacterial Antigens

One bacterial antigen with "No U.S. Standard of Potency".
Five polyvalent bacterial antigens with "No U.S. Standard of Potency".

License No. 284—Rhode Island Hospital Blood Bank, Providence, R.I.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 285—Marathon County Blood Bank, Inc., Wausau, Wis.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 286—Edgewater Hospital Blood Bank, Chicago, Ill.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 288—Delta Blood Bank, Stockton, Calif.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 289—Hospital University of Pennsylvania Blood Bank, Philadelphia, Pa.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).
Single Donor Plasma (Human).
Whole Blood (Human).
ACD.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
Anti-B Blood Grouping Serum.
Anti-A,B Blood Grouping Serum.
Anti-Rh Typing Serums:
Anti-Rh₀ (Anti-D).
Anti-K Serum (Anti-Kell).
Anti-Human Serum.

License No. 290—Pineview General Hospital Blood Bank, Valdosta, Ga.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 295—Community Blood Bank and Serum Service, Hoboken, N.J.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).
Single Donor Plasma (Human).
Whole Blood (Human).
ACD.
Heparin.

License No. 296—Midwest Blood Service, Inc., Detroit, Mich.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 298—Lewiston-Clarkston Blood Bank, Lewiston, Idaho.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 299—Delmont Laboratories, Inc., Swarthmore, Pa.

Bacterial Antigens

One polyvalent bacterial antigen with "No U.S. Standard of Potency".

License No. 300—Massachusetts General Hospital Blood Bank, Boston, Mass.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 301—Cleveland Biologicals, Inc., Cleveland, Ohio, and Akron, Ohio.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.
CPD.
Heparin.

License No. 302—Community Blood Bank of the Kansas City Area, Inc., Kansas City, Mo.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).
Single Donor Plasma (Human).
Whole Blood (Human).
ACD.
CPD.
Heparin.

License No. 304—Lane Memorial Blood Bank, Eugene, Oreg.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 305—Interstate Blood Bank, Inc., of Chicago, Illinois, Chicago, Ill.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).
Single Donor Plasma (Human).
Whole Blood (Human).
ACD.
Heparin.

License No. 306—Purex Laboratories, Inc., Staten Island, N.Y.

Miscellaneous

Allergenic Extracts.

License No. 308—Greer Laboratories, Inc., Lenoir, N.C.

Miscellaneous

Allergenic Extracts.

License No. 309—Suburban Hospital Blood Bank, Bethesda, Md.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 310—Arlington Hospital Blood Bank, Arlington, Va.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 312—World Blood Bank, Inc., Kansas City, Mo., and Tulsa, Okla.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.
Heparin.

License No. 313—Southeastern General Hospital, Inc., Lumberton, N.C.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 314—Blood Bank, N.C. Memorial Hospital, University of North Carolina, Chapel Hill, N.C.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).
Single Donor Plasma (Human).
Whole Blood (Human).
ACD.

License No. 315—Central California Blood Bank, Fresno, Calif.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 316—Maine Medical Center Blood Bank, Portland, Maine.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 317—St. Vincent Hospital Blood Bank, Erie, Pa.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 318—Chicago Wesley Memorial Hospital Blood Bank, Chicago, Ill.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

License No. 320—Garden State Blood Bank, Newark, N.J.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

License No. 321—National Blood Bank, Inc., New York, N.Y.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).

Single Donor Plasma (Human).

Whole Blood (Human).

ACD.

Heparin.

License No. 325—A/B Kabi, Stockholm, Sweden.

Miscellaneous

Streptokinase.

License No. 326—New Hanover Memorial Hospital Blood Bank, Wilmington, N.C.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

License No. 327—The Elizabeth General Hospital and Dispensary, Elizabeth, N.J.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

CPD.

License No. 332—Tri-Cities Blood Service, Inc., Johnson City, Tenn.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

License No. 333—Central Blood Service, Inc., Baltimore, Md.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

License No. 334—Berkeley Biologicals, Berkeley, Calif.

Miscellaneous

Allergenic Extracts.

License No. 336—Eastern Blood Bank, Jersey City, N.J.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).

Single Donor Plasma (Human).

Whole Blood (Human).

ACD.

Heparin.

License No. 337—Glaxo Laboratories, Ltd., Greenford, Middlesex, England.

Distributors—Eli Lilly & Co., Indianapolis, Ind., and Scientific Instrument Company, Inc., Bay Shore, New York, N.Y.

Bacterial Vaccines

BCG Vaccine

Diagnostic Substances for Dermal Tests

Tuberculin, Purified Protein Derivative.

License No. 338—Pfizer, Ltd., Sandwich, Kent, England.

Distributor—Pfizer Laboratories, New York, N.Y.

Viral and Rickettsial Vaccines

Poliovirus Vaccine, Live, Oral, Trivalent.

Poliovirus Vaccine, Live, Oral, Type 1.

Poliovirus Vaccine, Live, Oral, Type 2.

Poliovirus Vaccine, Live, Oral, Type 3.

License No. 339—Harrison County Blood Bank, Clarksburg, W. Va.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

License No. 343—Specific Serums, Inc., Hoboken, N.J.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.

Anti-B Blood Grouping Serum.

Anti-A,B Blood Grouping Serum.

Anti-Rh Typing Serums:

Anti-Rh₀ (Anti-D).

Anti-Rh₀' (Anti-CD).

Anti-Rh₀'' (Anti-DE).

Anti-Rh₀ rh' rh'' (Anti-CDE).
 Anti-rh' (Anti-C).
 Anti-rh'' (Anti-E).
 Anti-hr' (Anti-c).
 Anti-hr'' (Anti-e).
 Anti-rh^w (Anti-C^w).
 Anti-Fy^a Serum (Anti-Duffy).
 Anti-k Serum (Anti-Cellano).
 Anti-K Serum (Anti-Kell).
 Anti-M Serum.
 Anti-N Serum (Human).
 Anti-Human Serum.
 Reagent Red Blood Cells (Human).

License No. 344—Spectra Biologicals Division Becton-Dickinson & Co., East Brunswick, N.J.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
 Anti-B Blood Grouping Serum.
 Anti-A,B Blood Grouping Serum.
 Absorbed Anti-A Serum.
 Anti-Rh Typing Serums:
 Anti-Rh₀ (Anti-D).
 Anti-Rh₀' (Anti-CD).
 Anti-Rh₀'' (Anti-DE).
 Anti-Rh₀ rh' rh'' (Anti-CDE).
 Anti-rh' (Anti-C).
 Anti-rh'' (Anti-E).
 Anti-hr' (Anti-c).
 Anti-hr'' (Anti-e).
 Anti-rh^w (Anti-C^w).
 Anti-Di^a Serum (Anti-Diego).
 Anti-Fy^a Serum (Anti-Duffy).
 Anti-Fy^b Serum.
 Anti-Jk^a Serum (Anti-Kidd).
 Anti-Js^a Serum (Anti-Sutter).
 Anti-k Serum (Anti-Cellano).
 Anti-K Serum (Anti-Kell).
 Anti-Kp^a Serum (Anti-Penney).
 Anti-Kp^b Serum (Anti-Rautenberg).
 Anti-M Serum.
 Anti-Mi^a Serum (Anti-Miltenberger).
 Anti-P Serum.
 Anti-S Serum.
 Anti-s Serum.
 Anti-Human Serum.
 Reagent Red Blood Cells (Human).

License No. 345—Scientific Blood Bank, Inc., Chicago, Ill.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).

Single Donor Plasma (Human).
 Whole Blood (Human).
 ACD.
 Heparin.

License No. 346—Ohio Valley Blood Service, Inc., Evansville, Ind.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).
 Whole Blood (Human).
 ACD.

License No. 347—Banco de Sangre Metropolitan, Inc., Santurce, P.R.

Blood and Blood Derivatives

Whole Blood (Human).
 ACD.

License No. 348—Des Moines County Medical Society Blood Bank, Inc., Burlington, Iowa.

Blood and Blood Derivatives

Whole Blood (Human).
 ACD.

License No. 349—National Bio Serums, Inc., Port Reading, N.J.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
 Anti-B Blood Grouping Serum.
 Anti-A,B Blood Grouping Serum.
 Anti-Rh Typing Serums:
 Anti-Rh₀ (Anti-D).
 Anti-Rh₀'' (Anti-DE).
 Anti-Rh₀ rh' rh'' (Anti-CDE).
 Anti-rh' (Anti-C).
 Anti-Rh₀' (Anti-CD).
 Anti-rh'' (Anti-E).
 Anti-hr' (Anti-c).
 Anti-hr'' (Anti-e).
 Anti-rh^w (Anti-C^w).
 Anti-Fy^a Serum (Anti-Duffy).
 Anti-Jk^a Serum (Anti-Kidd).
 Anti-Jk^b Serum.
 Anti-K Serum (Anti-Kell).
 Anti-M Serum.
 Anti-N Serum.
 Anti-P Serum.
 Anti-S Serum.
 Anti-s Serum.
 Anti-Human Serum.
 Reagent Red Blood Cells (Human).

License No. 350—Cambridge Nuclear Corporation, Cambridge, Mass.

Blood and Blood Derivatives

Radio-Iodinated (I^{131}) Serum Albumin (Human).

License No. 351—Evans Medical Limited, Speke, Liverpool, England.

Diagnostic Substances for Dermal Tests

Tuberculin, Purified Protein Derivative.

License No. 354—New Orleans Blood Bank, New Orleans, La.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

CPD.

Heparin.

License No. 355—Alexandria Hospital Blood Bank, Alexandria, Va.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

License No. 356—Dayton Biologicals, Inc., Dayton, Ohio.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

License No. 357—Greenville General Hospital Blood Bank, Greenville, S.C.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

License No. 358—Institute Plant Employees' Blood Bank, Union Carbide Corp., Institute, W. Va.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

License No. 359—Princeton Laboratory Products Co., Princeton, N.J.

Diagnostic Substances for Laboratory Tests

Anti-Human Chorionic Gonadotropic Serum.

License No. 360—Merced County General Hospital Blood Bank, Merced, Calif.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

License No. 361—Blood Bank of Alaska, Inc., Anchorage, Alaska.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

License No. 362—Miles Laboratories, Inc., Elkhart, Ind.; Ames Company Division, Miles Laboratories, Inc., Billerica, Mass., and Dome Laboratories Division, Miles Laboratories, Inc., West Haven, Conn., and New York, N.Y.

Blood and Blood Derivatives

Radio-Iodinated (I^{125}) Serum Albumin (Human).

Radio-Iodinated (I^{131}) Serum Albumin (Human).

Miscellaneous

Allergenic Extracts.

Allergenic Extracts Alum Precipitated.

Poison Ivy Extract Alum Precipitated.

License No. 363—Organon, Inc., West Orange, N.J.

Diagnostic Substances for Laboratory Tests

Anti-Human Chorionic Gonadotropic Serum.

License No. 364—Beecham Group Ltd., Worthing, Sussex, England.

Miscellaneous

Allergenic Extracts.

License No. 365—Fairfax Hospital Blood Bank, Falls Church, Va.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

License No. 366—Scott County Medical Society Blood Bank, Inc., Davenport, Iowa.

Blood and Blood Derivatives

Single Donor Plasma (Human).

Whole Blood (Human).
ACD.

License No. 368—Dunklin County Memorial Hospital, Kennett, Mo.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.
CPD.

License No. 369—Holy Cross Hospital of Silver Spring Blood Bank, Silver Spring, Md.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).
Whole Blood (Human).
ACD.

License No. 371—United Biologics Corp., San Francisco, Calif.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).
Whole Blood (Human).
ACD.

License No. 372—Broemmel Pharmaceuticals, San Francisco, Calif.

Miscellaneous

Poison Ivy Extract.
Poison Oak Extract.

License No. 373—Rock Island County Blood Bank, Inc., Rock Island, Ill.

Blood and Blood Derivatives

Single Donor Plasma (Human).
Whole Blood (Human).
ACD.
CPD.

License No. 374—Atlantic Clinical Laboratory Blood Bank, Miami Beach, Fla.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 375—Blood Bank of the Maryland General Hospital, Baltimore, Md.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 376—Philips Roxane, Inc., St. Joseph, Mo.

Viral and Rickettsial Vaccines

Measles Virus Vaccine, Live, Attenuated.

License No. 378—N. V. Organon, Oss, The Netherlands.

Diagnostic Substances for Laboratory Tests

Anti-Human Chorionic Gonadotropic Serum.

License No. 379—Central Laboratory of The Netherlands Red Cross, Blood Transfusion Service, Amsterdam, The Netherlands.

Blood and Blood Derivatives

Immune Serum Globulin (Human).

License No. 380—Sibley Memorial Hospital, Washington, D.C.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.
CPD.
Heparin.

License No. 381—The Roosevelt Hospital, New York, N.Y.

Miscellaneous

Allergenic Extracts.

License No. 382—Nyegaard & Co. A/S, Oslo, Norway.

Blood and Blood Derivatives

Modified Plasma (Bovine).

License No. 383—Agricultural Biologicals Corp., Lynbrook, N.Y.

Miscellaneous

Collagenase.

License No. 384—Institut Merieux, Lyon, France.

Diagnostic Substances for Dermal Tests
Tuberculin, Old.

License No. 386—Community Blood Council of Greater New York, Inc., The New York Blood Center, New York, N.Y.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).

Single Donor Plasma (Human).
Whole Blood (Human).
ACD.
Heparin.

License No. 387—Phoebe Putney Memorial Hospital Blood Bank, Albany, Ga.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.
CPD.

License No. 388—Medical Center Blood Bank, Columbus, Ga.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 389—Community Blood Bank of Central Iowa, Des Moines, Iowa.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 390—St. Barnabas Hospital for Chronic Diseases, Bronx, N.Y.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 391—Medix, Inc., Chicago, Ill.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 392—Washington Homoeopathic Pharmacy, Washington, D.C.

Miscellaneous

Poison Ivy Extract.

License No. 393—N. V. Philips-Duphar, Weesp and Olst, The Netherlands.

Viral and Rickettsial Vaccines

Influenza Virus Vaccine.

License No. 394—Community Blood Center, Dayton, Ohio.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).
Single Donor Plasma (Human).
Whole Blood (Human).
ACD.

License No. 395—Perth Amboy General Hospital, Perth Amboy, N.J.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 396—National Blood Service, Inc., Baltimore, Md.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.
Heparin.

License No. 397—Laboratorio y Banco de Sangre Arreche, Santurce, P.R.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 398—Community Blood Bank of Marion County, Inc., Indianapolis, Ind.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.
CPD.

License No. 399—Blood Bank of Deaconess Hospital, Inc., Evansville, Ind.

Blood and Blood Derivatives

Whole Blood (Human).
ACD.

License No. 400—National Blood Service of Philadelphia, Inc., Philadelphia, Pa.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).
Single Donor Plasma (Human).
Whole Blood (Human).
ACD.
Heparin.

License No. 401—Chattanooga Blood Center, Inc., Chattanooga, Tenn.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).

Whole Blood (Human).

ACD.

Heparin.

License No. 402—Stanford University Hospital Blood Bank, Palo Alto, Calif.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

CPD.

Heparin.

License No. 403—St. Joseph Hospital, Inc., Baltimore, Md.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

License No. 404—Blood Bank and Serum Service, Inc., New York, N.Y.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

License No. 405—Harrisburg Polyclinic Hospital, Harrisburg, Pa.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

License No. 406—Las Americas Laboratory and Blood Bank, Inc., Hato Rey, P.R.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

License No. 407—Allergy Laboratories of Ohio, Inc., Columbus, Ohio.

Miscellaneous

Allergenic Extracts.

License No. 408—United Laboratories, Inc., Atlanta, Ga.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

License No. 409—Andren, Inc., Fort Myers, Fla.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).

Single Donor Plasma (Human).

Whole Blood (Human).

CPD.

License No. 410—Tri-Cities Blood Service of Augusta, Inc., Augusta, Ga.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

License No. 411—Mid-South Blood Service, Inc., Memphis, Tenn.

Blood and Blood Derivatives

Whole Blood (Human).

ACD.

License No. 412—Allergy Specifics, Inc., New York, N.Y.

Miscellaneous

Allergenic Extracts.

License No. 413—North American Biologicals, Inc., Fort Lauderdale, Fla.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).

Single Donor Plasma (Human).

Whole Blood (Human).

CPD.

License No. 414—American Blood Components, Inc., Memphis, Tenn.

Blood and Blood Derivatives

Single Donor Plasma (Human).

License No. 415—Metabolic Research Foundation, Inc., Houston, Tex.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.

Anti-B Blood Grouping Serum.

Anti-Human Serum.

License No. 416—Bioproducts Research Laboratories, Inc., Tempe, Ariz.

Diagnostic Substances for Dermal Tests

Coccidioidin.

**Part II. List of Biologic Products With
License Numbers of Establishment
Licensed for Each Product**

Antitoxins

B. oedematiens Antitoxin—1.
Botulism Antitoxin—17, 73.
Diphtheria Antitoxin—1, 3, 8, 17, 56, 64,
73, 99, 101, 238.
Dysentery Antitoxin, Shiga—1.
Gas Gangrene Polyvalent Antitoxin—3,
17, 101, 129.
Perfringens Antitoxin—1, 56, 110.
Staphylococcus Antitoxin—73.
Tetanus Antitoxin—1, 2, 3, 8, 17, 21, 56,
64, 73, 99, 101, 110, 129, 238.
Tetanus and Gas Gangrene Polyvalent
Antitoxin—1, 3, 17, 56, 101, 110.
V. septique Antitoxin—1, 56, 110.

Therapeutic Immune Serums

Anti-Hemophilus Influenzae Type b
Serum—99, 140.
Antirabies Serum—17, 238.
Chickenpox Immune Serum (Human)—
171.
Measles Immune Serum (Human)—171.
Mumps Immune Serum (Human)—113,
171.
Pertussis Immune Serum (Human)—
171.
Scarlet Fever Immune Serum (Hu-
man)—171.

Blood and Blood Derivatives

Aggregated Radio-Iodinated (I^{131}) Albu-
min (Human)—43, 52, 77.
Antihemophilic Factor (Human)—140,
171.
Antihemophilic Globulin (Human)—8,
99.
Antihemophilic Plasma (Human)—113,
140, 165, 171.
Factor IX Complex (Human)—8.
Fibrinogen (Human)—2, 8, 52, 99, 140,
156.
Fibrinogen with Antihemophilic Factor
(Human)—2, 8.
Fibrinolysin (Human)—2, 156.
Fibrinolysin and Desoxyribonuclease
Combined (Bovine)—1, 2.
Fibrinolysin and Desoxyribonuclease
Combined (Bovine) with Chloram-
phenicol—1.
Histamine Azoprotein—1.
Immune Serum Globulin (Human)—1,

2, 8, 17, 52, 64, 99, 110, 140, 149, 156,
171, 258, 379.
Measles Immune Globulin (Human)—1,
17, 56, 140.
Modified Plasma (Bovine)—382.
Mumps Immune Globulin (Human)—8,
140.
Normal Bovine Serum—2.
Normal Horse Serum—2, 3, 99.
Normal Human Plasma—8, 113, 140, 165,
171, 182, 185, 187, 192, 215.
Normal Human Serum—113.
Normal Rabbit Serum—99.
Normal Serum Albumin (Human)—1, 2,
8, 52, 64, 73, 99, 110, 140, 149, 156, 171.
Packed Red Blood Cells (Human)—113,
139, 140, 164, 165, 166, 168, 169, 171, 175,
181, 182, 183, 185, 187, 190, 191, 194,
195, 198, 202, 203, 212, 215, 221, 222,
224, 228, 234, 235, 240, 254, 269, 272,
274, 276, 278, 289, 295, 302, 305, 314,
321, 336, 345, 346, 369, 371, 386, 394,
400, 401, 409, 413.
Pertussis Immune Globulin (Human)—
8, 140.
Plasma Protein Fraction (Human)—8,
64, 140, 171, 258.
Poliomyelitis Immune Globulin (Hu-
man)—1, 2, 8, 52, 64, 110, 139, 140,
149, 171, 258.
Profibrinolysin (Human)—156.
Radio Chromated (Cr^{51}) Serum Albumin
(Human)—52.
Radio-Iodinated (I^{125}) Serum Albumin
(Human)—43, 52, 77, 362.
Radio-Iodinated (I^{131}) Serum Albumin
(Human)—43, 52, 77, 350, 362.
Resuspended Red Blood Cells (Hu-
man)—113, 165, 166, 185, 191, 215, 235.
Rh₀ (D) Immune Globulin (Human)—
156.
Single Donor Plasma (Human)—113,
139, 164, 165, 166, 169, 173, 182, 183,
185, 187, 190, 191, 194, 198, 202, 203,
221, 222, 224, 234, 235, 240, 254, 269,
272, 274, 276, 278, 289, 295, 302, 305,
314, 321, 336, 345, 366, 373, 386, 394,
400, 409, 413, 414.
Tetanus Immune Globulin (Human)—1,
2, 8, 17, 52, 64, 99, 110, 140, 258.
Thrombin—1, 8, 51, 156.
Vaccinia Immune Globulin (Human)—
140.

Whole Blood (Human) :

ACD—84, 99, 113, 139, 140, 154, 163, 164, 165, 166, 167, 168, 169, 170, 171, 173, 175, 178, 181, 182, 183, 185, 187, 190, 191, 192, 194, 195, 197, 198, 199, 201, 202, 203, 204, 209, 212, 213, 214, 215, 218, 220, 221, 222, 224, 226, 227, 228, 230, 231, 233, 234, 235, 237, 239, 240, 241, 244, 246, 248, 249, 250, 251, 254, 259, 260, 261, 263, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 276, 277, 278, 284, 285, 286, 288, 289, 290, 295, 296, 298, 300, 301, 302, 304, 305, 309, 310, 312, 313, 314, 315, 316, 317, 318, 320, 321, 326, 327, 332, 333, 336, 339, 345, 346, 347, 348, 354, 355, 356, 357, 358, 360, 361, 365, 366, 368, 369, 371, 373, 374, 375, 380, 386, 387, 388, 389, 390, 391, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 408, 409, 410, 411, 413.
CPD—140, 214, 215, 228, 233, 237, 248, 259, 269, 270, 301, 302, 327, 354, 368, 373, 380, 387, 398, 402, 409, 413.
Heparin—113, 164, 165, 166, 169, 173, 182, 185, 190, 191, 221, 222, 224, 240, 241, 254, 268, 269, 272, 274, 295, 301, 302, 305, 312, 321, 336, 345, 354, 380, 386, 396, 400, 401, 402.

Bacterial Vaccines

BCG Vaccine—73, 188, 337.
Cholera Vaccine—1, 2, 3, 8, 17, 56, 101.
Pertussis Vaccine—1, 3, 8, 17, 30, 56, 64, 99, 101, 110, 120, 121.
Pertussis Vaccine, Adsorbed—99.
Pertussis Vaccine Aluminum Hydroxide Adsorbed—8.
Pertussis Vaccine Aluminum Phosphate Adsorbed—1.
Plague Vaccine—8.
Typhoid Vaccine—2, 3, 8, 56, 64, 99, 101, 110, 120, 121.
Typhoid and Paratyphoid Vaccine—1, 2, 3, 8, 17, 56, 64, 99, 101, 110, 120, 238.
Polyvalent bacterial vaccines with "No U.S. Standard of Potency"—1, 8, 17, 30, 56, 91, 101, 119.

Sensitized Bacterial Vaccines

Typhoid and Paratyphoid Vaccine—2.
Polyvalent sensitized bacterial vaccines with "No U.S. Standard of Potency"—2.

Bacterial Antigens

Pseudomonas Polysaccharide—140.
Bacterial antigens with "No U.S. Standard of Potency"—283.
Polyvalent bacterial antigens with "No U.S. Standard of Potency"—1, 2, 30, 56, 283, 299.

Modified Bacterial Antigens

Polyvalent modified bacterial antigens with "No U.S. Standard of Potency"—1.
Toxoids and Toxins for Immunization
Diphtheria Toxoid—1, 3, 8, 64, 73, 101, 110, 120, 121, 238.
Diphtheria Toxoid Alum Precipitated—164.
Diphtheria Toxoid Aluminum Hydroxide Adsorbed—8, 97, 238.
Diphtheria Toxoid Aluminum Hydroxide Precipitated—121.
Diphtheria Toxoid Aluminum Phosphate Adsorbed—1, 3, 99, 238.
Scarlet Fever Streptococcus Toxin for Immunization—101.
Staphylococcus Toxoid—1, 17, 73, 101, 110, 238.
Streptococcus Erythrogenic Toxin—101.
Tetanus Toxoid—1, 2, 3, 8, 17, 56, 64, 73, 101, 110, 121, 238.
Tetanus Toxoid Alum Precipitated—164.
Tetanus Toxoid Aluminum Hydroxide Adsorbed—8, 97, 238.
Tetanus Toxoid Aluminum Hydroxide Precipitated—121.
Tetanus Toxoid Aluminum Phosphate Adsorbed—1, 3, 17, 99.
Tetanus Toxoid Aluminum Phosphate Precipitated—64.

Multiple Antigen Preparations

Adenovirus and Influenza Virus Vaccines Combined Aluminum Hydroxide Adsorbed—110.
Adenovirus and Influenza Virus Vaccines Combined Aluminum Phosphate Adsorbed—1.
Diphtheria and Tetanus Toxoids and Pertussis and Poliomyelitis Vaccines Aluminum Phosphate Adsorbed—1, 110.
Diphtheria and Tetanus Toxoids and Pertussis Vaccine Alum Precipitated and Poliomyelitis Vaccine—2, 56.

- Diphtheria and Tetanus Toxoids and Pertussis Vaccine Aluminum Phosphate Adsorbed and Poliomyelitis Vaccine—1, 2.
- Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined—1, 8, 56, 101.
- Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined Alum Precipitated—2, 8, 56, 110.
- Diphtheria and Tetanus Toxoids Alum Precipitated and Pertussis Vaccine Combined—3, 101.
- Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined Aluminum Phosphate Adsorbed—1, 2, 3, 17, 99, 110.
- Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined Aluminum Phosphate Precipitated—64.
- Diphtheria and Tetanus Toxoids Aluminum Hydroxide Adsorbed and Pertussis Vaccine Combined—8.
- Diphtheria and Tetanus Toxoids Aluminum Hydroxide Adsorbed Combined—8.
- Diphtheria and Tetanus Toxoids and Poliomyelitis Vaccine—110.
- Diphtheria and Tetanus Toxoids Combined Aluminum Hydroxide Precipitated—121.
- Diphtheria and Tetanus Toxoids Combined—1, 8, 56.
- Diphtheria and Tetanus Toxoids Combined Alum Precipitated—3, 56, 101, 110.
- Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined Aluminum Hydroxide Precipitated—121.
- Diphtheria and Tetanus Toxoids Combined Aluminum Phosphate Adsorbed—1, 3, 17, 99.
- Diphtheria and Tetanus Toxoids Combined Aluminum Phosphate Precipitated—64.
- Diphtheria Toxoid Aluminum Hydroxide Adsorbed and Pertussis Vaccine Combined—8.
- Diphtheria Toxoid and Pertussis Vaccine Combined—8.
- Diphtheria Toxoid Alum Precipitated and Pertussis Vaccine Combined—101, 110, 120.
- Diphtheria Toxoid and Pertussis Vaccine Combined Aluminum Phosphate Adsorbed—1.
- Measles-Smallpox Vaccine, Live—2.
- Staphylococcus Toxoid and Bacterial Vaccine made from Staphylococcus (Aureus)—101.
- Staphylococcus Toxoid and Bacterial Antigen made from Staphylococcus (Albus and Aureus)—1, 52.
- Staphylococcus Toxoid-Streptococcus Toxin-Bacterial Vaccine made from Staphylococcus (Aureus), Streptococcus (Hemolyticus), Pneumococcus and Hemophilus Influenzae—101.
- Tetanus Toxoid and Pertussis Vaccine Combined—8.
- Tetanus and Diphtheria Toxoids Combined Alum Precipitated (For Adult Use)—2, 3, 56, 101, 164.
- Tetanus and Diphtheria Toxoids Combined Aluminum Hydroxide Adsorbed (For Adult Use)—8.
- Tetanus and Diphtheria Toxoids Combined Aluminum Hydroxide Precipitated (For Adult Use)—121.
- Tetanus and Diphtheria Toxoids Combined Aluminum Phosphate Adsorbed (For Adult Use)—3, 17.
- Tetanus and Diphtheria Toxoids Combined Aluminum Phosphate Precipitated (For Adult Use)—64.

Viral and Rickettsial Vaccines

- Adenovirus Vaccine—1, 3, 110.
- Equine Encephalomyelitis Vaccine (Eastern)—8.
- Equine Encephalomyelitis Vaccine (Western)—8.
- Influenza Virus Vaccine—1, 2, 3, 17, 56, 69, 101, 110, 164, 393.
- Measles Virus Vaccine, Inactivated—56, 164.
- Measles Virus Vaccine, Live, Attenuated—2, 17, 56, 110, 164, 376.
- Mumps Vaccine—17, 56.
- Mumps Virus Vaccine, Live—2.
- Poliomyelitis Vaccine—1, 2, 8, 56, 73, 110, 164.
- Poliovirus Vaccine, Live, Oral, Trivalent—3, 17, 338.
- Poliovirus Vaccine, Live, Oral, Type 1—3, 17, 338.
- Poliovirus Vaccine, Live, Oral, Type 2—3, 17, 338.
- Poliovirus Vaccine, Live, Oral, Type 3—3, 17, 338.
- Poliomyelitis Vaccine Aluminum Phosphate Adsorbed—1.

Rabies Vaccine—1, 17, 56, 99, 101, 110, 120, 121.
 Rocky Mountain Spotted Fever Vaccine—17.
 Smallpox Vaccine—1, 2, 3, 8, 17, 56, 64, 73, 99, 101.
 Typhus Vaccine—2, 17, 56, 101, 110.
 Yellow Fever Vaccine—101.

Diagnostic Substances for Dermal Tests

Blastomycin—1.
 Coccidioidin—8, 416.
 Diphtheria Toxin for Schick Test—1, 3, 8, 56, 64, 99, 101, 120, 121.
 Histoplasmin—1, 17, 99.
 Lymphogranuloma Venereum Antigen—17, 52.
 Mumps Skin Test Antigen—56.
 Scarlet Fever Streptococcus Toxin for Dick Test—3.
 Schick Test Control—8, 56, 64, 99, 101, 121.
 Tuberculin, Old—1, 8, 56, 64, 99, 110, 121, 384.
 Tuberculin, Purified Protein Derivative—1, 2, 73, 337, 351.
 Tuberculin, Tine Test—17.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum—8, 17, 43, 113, 139, 140, 155, 156, 157, 158, 159, 163, 164, 165, 166, 167, 168, 179, 181, 185, 187, 235, 289, 343, 344, 349, 415.
 Anti-B Blood Grouping Serum—8, 17, 43, 113, 139, 140, 155, 156, 157, 158, 159, 163, 164, 165, 166, 167, 168, 179, 181, 185, 187, 204, 235, 289, 343, 344, 349, 415.
 Anti-A,B Blood Grouping Serum—17, 43, 113, 139, 140, 156, 157, 158, 164, 165, 167, 179, 289, 343, 344, 349.
 Absorbed Anti-A Serum—113, 139, 140, 155, 156, 157, 158, 159, 163, 164, 165, 179, 344.
 Anti-Rh Typing Serums:
 Anti-Rh₀ (Anti-D)—17, 43, 113, 139, 140, 155, 156, 157, 158, 159, 163, 164, 165, 166, 167, 168, 179, 181, 185, 187, 235, 289, 343, 344, 349.
 Anti-Rh₀' (Anti-CD)—17, 43, 113, 139, 140, 155, 156, 157, 158, 159, 163, 164, 165, 166, 179, 185, 187, 343, 344, 349.

Anti-Rh₀'' (Anti-DE)—113, 139, 140, 155, 156, 157, 158, 163, 164, 165, 179, 343, 344, 349.
 Anti-Rh₀ rh'rh'' (Anti-CDE)—17, 43, 113, 139, 140, 156, 157, 158, 164, 165, 179, 187, 343, 344, 349.
 Anti-rh' (Anti-C)—17, 43, 113, 139, 140, 155, 156, 157, 158, 159, 163, 164, 165, 167, 179, 185, 343, 344, 349.
 Anti-rh'' (Anti-E)—17, 43, 113, 139, 140, 155, 156, 157, 158, 159, 163, 164, 165, 166, 167, 179, 185, 343, 344, 349.
 Anti-hr' (Anti-c)—17, 43, 113, 139, 140, 155, 156, 157, 158, 159, 164, 165, 166, 167, 179, 185, 343, 344, 349.
 Anti-hr'' (Anti-e)—17, 43, 113, 139, 140, 155, 156, 157, 159, 164, 165, 166, 179, 343, 344, 349.
 Anti-hr^v (Anti-V)—164.
 Anti-rh^w (Anti-C^w)—17, 140, 156, 157, 159, 164, 179, 343, 344, 349.
 Anti-Rh₀+Rh₀' (Anti-D+D')—159.
 Anti-Di^a Serum (Anti-Diego)—164, 344.
 Anti-Fy^a Serum (Anti-Duffy)—139, 140, 155, 156, 157, 159, 164, 166, 179, 343, 344, 349.
 Anti-Fy^b Serum—164, 179, 344.
 Anti-Gr (V_w) Serum—159.
 Anti-I Serum—140.
 Anti-Jk^a Serum (Anti-Kidd)—159, 164, 344, 349.
 Anti-Jk^b Serum—164, 349.
 Anti-Js^a Serum (Anti-Sutter)—344.
 Anti-k Serum (Anti-Cellano)—155, 156, 157, 164, 179, 343, 344.
 Anti-K Serum (Anti-Kell)—17, 113, 139, 140, 155, 156, 157, 159, 164, 165, 166, 179, 289, 343, 344, 349.
 Anti-Kp^a Serum (Anti-Penny)—159, 164, 344.
 Anti-Kp^b Serum (Anti-Rautenberg)—164, 344.
 Anti-Kp^b and Anti-K Serum (Anti-Rautenberg and Anti-Kell)—159.
 Anti-rh^w and Anti-K Serum (Anti-(C^w+Kell))—155.
 Anti-Le^a Serum (Anti-Lewis)—113, 140, 159, 164, 179.
 Anti-Le^b Serum—159, 179.
 Anti-Lu^a Serum (Anti-Lutheran)—164.
 Anti-M Serum—43, 113, 139, 140, 155, 156, 157, 159, 164, 168, 179, 343, 344, 349.
 Anti-M^e Serum—159, 179.
 Anti-Mi^a Serum (Anti-Miltnerberger)—344.

Anti-N Serum—113, 139, 140, 155, 156, 157, 164, 168, 179, 349.
 Anti-N Serum (Human)—343.
 Anti-P Serum—156, 157, 159, 164, 179, 344, 349.
 Anti-S Serum—140, 156, 157, 159, 164, 179, 344, 349.
 Anti-s Serum—140, 156, 159, 164, 179, 344, 349.
 Anti-U Serum (Anti-Ss)—113, 164.
 Anti-Wr^a Serum (Anti-Wright)—159.
 Anti-Human Chorionic Gonadotropic Serum—1, 129, 140, 156, 359, 363, 378.
 Anti-Human Serum—17, 43, 113, 139, 140, 155, 156, 157, 158, 159, 164, 165, 167, 168, 179, 181, 187, 279, 289, 343, 344, 349, 415.
Haemophilus influenzae Typing Serum—140.
 Anti-Influenza Virus Serum for the Hemagglutination Inhibition Test—1.
 Influenza Virus Hemagglutinating Antigen—1.
 Pneumococcus Typing Serum—99.
 Reagent Red Blood Cells (Human)—113, 139, 140, 156, 157, 164, 168, 179, 235, 343, 344, 349.

Miscellaneous

Allergenic Extracts—1, 8, 17, 56, 84, 91, 103, 107, 119, 147, 152, 193, 306, 308, 334, 362, 364, 381, 407, 412.
 Allergenic Extracts Alum Precipitated—362.
 Antivenin (*Latrodectus mactans*)—2.
 Antivenin (Crotalidae) Polyvalent—3.
 Antivenin (*Micrurus fulvius*)—3.
 Blood Group Specific Substance A—113, 164.
 Blood Group Specific Substance B—113, 164.
 Blood Group Specific Substances A and B—2, 113.
 Cobra Venom Solution—125.
 Cobra Venom with Silicic and Formic Acids—125.
 Collagenase—383.
 Oxophenarsine Hydrochloride—1.
 Poison Ivy Extract—1, 2, 8, 30, 91, 102, 119, 372, 392.
 Poison Ivy Extract Alum Precipitated—119, 362.
 Poison Ivy-Poison Oak Extracts Combined—30, 91.
 Poison Ivy-Oak-Sumac Extracts Combined—119.

Poison Oak Extract—8, 30, 91, 102, 372.
 Poison Sumac Extract—119.
 Reagent Blood Group Specific Substances A and B—179.
 Russell Viper Venom—129.
 Streptokinase—325.
 Streptokinase-Streptodornase—17, 97.
 Tincture Poison Ivy—102.
 Trichinella Extract—17.

Part III. Licensed Establishments Arranged Alphabetically

A. DOMESTIC ESTABLISHMENTS

	U.S. license number
Abbott Laboratories, North Chicago, Ill. and Chicago, Ill.-----	43
Agricultural Biologicals Corp., Lynbrook, N.Y.-----	383
Alexandria Hospital Blood Bank, Alexandria, Va.-----	355
Allergy Laboratories, Inc., Oklahoma City, Okla.-----	103
Allergy Laboratories of Ohio, Inc., Columbus, Ohio.-----	407
Allergy Specifics, Inc., New York, N.Y.-----	412
American Blood Components, Inc., Memphis, Tenn.-----	414
American National Red Cross, Washington, D.C.-----	190
Andren, Inc., Fort Myers, Fla.-----	409
Arlington Hospital Blood Bank, Arlington, Va.-----	310
Armour Pharmaceutical Co., Chicago, Ill., Kankakee, Ill.-----	149
Atlantic Clinical Laboratory Blood Bank, Miami Beach, Fla.-----	374
Aurora Area Blood Bank, Aurora, Ill.-----	222
Banco de Sangre Metropolitano, Inc., Santurce, P.R.-----	347
Barry Laboratories, Inc., Detroit, Mich.-----	119
Belle Bonfils Memorial Blood Bank, Denver, Colo.-----	166
Bergen Community Blood Bank, Paramus, N.J.-----	274
Berkeley Biologicals, Berkeley, Calif.-----	334
Beverly Blood Center, Inc., Chicago, Ill.-----	269

	U.S. license number		U.S. license number
Blood Bank of the Alameda- Contra Costa Medical Associa- tion, Oakland, Calif.-----	191	Certified Blood Donor Service, Inc., Woodbury, N.Y.-----	157
Blood Bank of Alaska, Inc., Anchorage, Alaska-----	361	Chas. Pfizer & Co., Inc., New York, N.Y.; Terre Haute, Ind.; Phila- delphia, Pa-----	164
Blood Bank of the Bryn Mawr Hospital, Bryn Mawr, Pa-----	266	Chattanooga Blood Center, Inc., Chattanooga, Tenn-----	401
Blood Bank of Deaconess Hospital, Inc., Evansville, Ind-----	399	Chicago Blood Donor Service, Inc., Chicago, Ill-----	169
Blood Bank Foundation, Nash- ville, Tenn-----	165	Chicago Wesley Memorial Hos- pital Blood Bank, Chicago, Ill--	318
Blood Bank of Hawaii, Honolulu, Hawaii-----	199	Cleveland Biologicals, Inc., Cleve- land, Ohio, and Akron, Ohio---	301
Blood Bank of the Maryland Gen- eral Hospital, Baltimore, Md---	375	Coffee Memorial Blood Center, Inc., Amarillo, Tex-----	246
Blood Bank, N.C. Memorial Hos- pital, University of North Caro- lina, Chapel Hill, N.C-----	314	Community Blood Bank of Central Iowa, Des Moines, Iowa-----	389
Blood Bank of St. Luke's Hospital (Duluth), Duluth, Minn-----	267	Community Blood Bank of the Kansas City Area, Inc., Kansas City, Mo-----	302
Blood Bank of San Bernardino and Riverside Counties, Inc., San Bernardino, Calif-----	226	Community Blood Bank of Marion County, Inc., Indianapolis, Ind--	398
Blood Bank and Serum Service, Inc., New York, N.Y-----	404	Community Blood Bank of Norton, Inc., Norton, Va-----	263
Blood Bank of the Washington Hospital Center, Washington, D.C-----	213	Community Blood Bank and Serum Service, Hoboken, N.J.--	295
Blood Grouping Laboratory, Washington, D.C-----	215	Community Blood Center, Dayton, Ohio-----	394
Blood Grouping Laboratory of Boston, Inc., Boston, Mass-----	159	Community Blood Council of Greater New York, Inc., The New York Blood Center, New York, N.Y-----	386
Blood Services, Scottsdale, Ariz--	183	Community Blood and Plasma Service, Inc., Birmingham, Ala.; Mobile, Ala.; Jackson, Miss.; and New York, N.Y-----	224
Broemmel Pharmaceuticals, San Francisco, Calif-----	372	Community Blood and Plasma Service, Inc., of Texas, Houston, Tex., Dallas, Tex., and Los An- geles, Calif-----	241
Broome County Blood Center, Binghamton, N.Y-----	220	Community Memorial General Hospital, La Grange, Ill-----	277
California Transfusion Service, Los Angeles, Calif-----	178	Courtland Laboratories, Los An- geles, Calif-----	171
Cambridge Nuclear Corp., Cam- bridge, Mass-----	350	Cutter Laboratories, Inc., Berke- ley, Calif-----	8
Center Laboratories, Inc., Port Washington, N.Y-----	193	Dade Reagents, Inc., Miami, Fla--	179
Central Blood Bank, Inc., South Bend, Ind-----	248	Dayton Biologicals, Inc., Dayton, Ohio-----	356
Central Blood Bank of Pittsburgh, Pittsburgh, Pa-----	234	Delmont Laboratories, Inc., Swarthmore, Pa-----	299
Central Blood Service, Inc., Balti- more, Md-----	333	Delta Blood Bank, Stockton, Calif-----	288
Central California Blood Bank, Fresno, Calif-----	315		
Central Florida Blood Bank, In- corporated, Orlando, Fla-----	227		

	U.S. license number		U.S. license number
Des Moines County Medical Society Blood Bank, Inc., Burlington, Iowa-----	348	Spring Blood Bank, Silver Spring, Md-----	369
District of Columbia General Hospital, Washington, D.C-----	212	Hospital Blood Service, Inc., Detroit, Mich-----	261
Doctors Hospital Blood Bank, Washington, D.C-----	214	Hospital University of Pennsylvania Blood Bank, Philadelphia, Pa-----	289
Dubuque Blood Bank Association, Dubuque, Iowa-----	231	Houchin Community Blood Bank, Bakersfield, Calif-----	239
Dunklin County Memorial Hospital, Kennett, Mo-----	368	Hynson, Westcott and Dunning, Baltimore, Md-----	125
Eastern Blood Bank, Jersey City, N.J-----	336	Illinois Department of Public Health, Bureau of Biologic Products, Division of Laboratories, Chicago, Ill-----	120
Edgewater Hospital Blood Bank, Chicago, Ill-----	286	Institute Plant Employees' Blood Bank, Union Carbide Corp., Institute, W. Va-----	358
Eli Lilly and Co., Indianapolis, Ind-----	56	Inter-County Blood Banks, Inc., Rockville Centre, N.Y-----	175
Elizabeth General Hospital and Dispensary, Elizabeth, N.J-----	327	Interstate Blood Bank, Inc., Memphis, Tenn., and Philadelphia, Pa-----	173
Endo Laboratories, Inc., Garden City, N.Y-----	147	Interstate Blood Bank, Inc., St. Louis, Mo-----	268
E. R. Squibb & Sons, Inc., New Brunswick, N.J-----	52	Interstate Blood Bank, Inc. of Chicago, Illinois, Chicago, Ill-----	305
Essex County Blood Bank, East Orange, N.J-----	221	Irwin Memorial Blood Bank of the San Francisco Medical Society, San Francisco, Calif-----	182
Fairfax Hospital Blood Bank, Falls Church, Va-----	365	J. K. and Susie L. Wadley Research Institute and Blood Bank, Dallas, Tex-----	167
Garden State Blood Bank, Newark, N.J-----	320	Jackson Blood Bank, Jackson, Tenn-----	170
Gotham Pharmaceutical Co., Inc., Brooklyn, N.Y-----	152	Jacksonville Blood Bank, Inc., Jacksonville, Fla-----	181
Greenville General Hospital Blood Bank, Greenville, S.C-----	357	Jacob Blumberg Memorial Blood Bank, Inc., of the Lake County Medical Society, Waukegan, Ill-----	251
Greer Laboratories, Inc., Lenoir, N.C-----	308	John Elliott Blood Bank of Dade County, Inc., Miami, Fla-----	154
Harrisburg Polyclinic Hospital, Harrisburg, Pa-----	405	King Country Central Blood Bank, Inc., Seattle, Wash-----	192
Harrison County Blood Bank, Clarksburg, W. Va-----	339	Knoxville Blood Center, Inc., Knoxville, Tenn-----	254
High Titer Serum Laboratory, New York, N.Y-----	163	Laboratorio y Banco de Sangre Arreche, Santurce, P.R-----	397
Hoffmann Laboratories, Inc., Fair Lawn, N.J-----	283	Lane Memorial Blood Bank, Eugene, Oreg-----	304
Hollister-Stier Laboratories, Downers Grove, Ill.; Yeadon, Pa.; Spokane, Wash.; Los Angeles, Calif.; Atlanta, Ga.; Dallas, Tex-----	91	Las Americas Laboratory and Blood Bank, Inc., Hato Rey, P.R.-----	406
Holston Valley Community Hospital Blood Bank, Kingsport, Tenn-----	259		
Holy Cross Hospital of Silver			

	U.S. license number		U.S. license number
Lederle Laboratories Division, American Cyanamid Co., Pearl River, N.Y.-----	17	Mount Sinai Medical Research Foundation, Chicago, Ill.-----	168
Lewiston-Clarkston Blood Bank, Lewiston, Idaho-----	298	Mulford Colloid Laboratories, Philadelphia, Pa.-----	102
Maine Medical Center Blood Bank, Portland, Maine-----	316	National Bio Serums, Inc., Port Reading, N.J.-----	349
Mallinckrodt Chemical Works, Maryland Heights, Mo.-----	77	National Blood Bank, Inc., New York, N.Y.-----	321
Marathon County Blood Bank, Inc., Wausau, Wis.-----	285	National Blood Service, Inc., Baltimore, Md.-----	396
Marietta Memorial Hospital, Mar- ietta, Ohio-----	270	National Blood Service of Phila- delphia, Inc., Philadelphia, Pa.-----	400
Massachusetts General Hospital Blood Bank, Boston, Mass.-----	300	National Drug Co., Division of Richardson-Merrell Inc., Phila- delphia, Pa., and Swiftwater, Pa.-----	101
Massachusetts Public Health Biologic Laboratories, Boston, Mass.-----	64	New Hanover Memorial Hospi- tal Blood Bank, Wilmington, N.C.-----	326
Maxwell Blood Bank, The Chil- dren's Memorial Hospital, Chi- cago, Ill.-----	209	New Orleans Blood Bank, New Orleans, La.-----	354
Medical Center Blood Bank, Co- lumbus, Ga.-----	388	North American Biologicals, Inc., Fort Lauderdale, Fla.-----	413
Medix, Inc., Chicago, Ill.-----	391	Northern California Community Blood Bank, Eureka, Calif.-----	230
Memphis Blood Center, Inc., Memphis, Tenn.-----	240	Northern Illinois Blood Bank, Inc., Rockford, Ill.-----	249
Menolasino Laboratories, Chicago, Ill.-----	279	Ochsner Foundation Hospital Blood Bank, New Orleans, La.-----	233
Merced County General Hospital Blood Bank, Merced, Calif.-----	360	Ohio Valley Blood Service, Inc., Evansville, Ind.-----	346
Merck Sharp & Dohme, Division of Merck & Co., Inc., West Point, Pa.-----	2	Oklahoma City Community Blood Bank, Inc., Oklahoma City, Okla.-----	273
Metabolic Research Foundation, Inc., Houston, Tex.-----	415	Organon Inc., West Orange, N.J.-----	363
Michael Reese Research Founda- tion, Chicago, Ill.-----	113	Ortho Pharmaceutical Corp., Raritan, N.J.-----	156
Michigan Community Blood Cen- ter, Detroit, Mich., Saginaw, Mich. and Grand Rapids, Mich.-----	272	Parke, Davis & Co., Detroit, Mich.-----	1
Michigan Department of Public Health, Bureau of Laboratories, Lansing, Mich.-----	99	Peninsula Memorial Blood Bank. Burlingame, Calif.-----	195
Mid-South Blood Service, Inc., Memphis, Tenn.-----	411	Perth Amboy General Hospital, Perth Amboy, N.J.-----	395
Midwest Blood Service, Inc., De- troit, Mich.-----	296	Philadelphia Blood Center, Phila- delphia, Pa.-----	139
Miles Laboratories, Inc., Elkhart, Ind.-----	362	Philips Roxane, Inc., St. Joseph, Mo.-----	376
Milwaukee Blood Center, Inc., Milwaukee, Wis.-----	187	Phoebe Putney Memorial Hospital Blood Bank, Albany, Ga.-----	387
Minneapolis War Memorial Blood Bank, Minneapolis, Minn.-----	185	Pineview General Hospital Blood Bank, Valdosta, Ga.-----	290
		Pioneer Blood Service, Inc., Bronx, N.Y.-----	278

	U.S. license number		U.S. license number
Pitman-Moore, Division of The Dow Chemical Co., Zionsville, Ind -----	110	Spectra Biologicals Division, Bec- ton-Dickinson & Co., East Brunswick, N.J.-----	344
Porro Biological Laboratories, Ta- coma, Wash-----	107	Spokane & Inland Empire Blood Bank, Spokane, Wash-----	203
Princeton Laboratory Products, Co., Princeton, N.J-----	359	Stanford University Hospital Blood Bank, Palo Alto, Calif----	402
Providence Hospital Blood Bank, Washington, D.C-----	218	Sterling Drug, Inc., Rensselaer, N.Y -----	69
Purex Laboratories, Inc., Staten Island, N.Y-----	306	Suburban Hospital Blood Bank, Bethesda, Md-----	309
Research Foundation and Uni- versity of Illinois, Chicago, Ill--	188	Tacoma-Pierce County Blood Bank, Tacoma, Wash-----	202
Rhode Island Hospital Blood Bank, Providence, R.I-----	284	Terrell's Laboratories, Fort Worth, Tex -----	84
Rock Island County Blood Bank, Inc., Rock Island, Ill-----	373	Texas State Department of Health, Austin, Tex-----	121
Roosevelt Hospital, New York, N.Y -----	381	Travenol Laboratories Inc., Cleve- land, Miss., Los Angeles, Calif., and Morton Grove, Ill-----	140
Sacramento Medical Foundation Blood Bank, Sacramento, Calif--	194	Travis County Medical Society Blood Bank, Austin, Tex-----	244
St. Barnabas Hospital for Chronic Diseases, Bronx, N.Y-----	390	Tri-Cities Blood Service, Inc., Johnson City, Tenn-----	332
St. Francis Hospital Blood Bank, Trenton, N.J-----	260	Tri-Cities Blood Service of Au- gusta, Inc., Augusta, Ga-----	410
St. Joseph Hospital, Inc., Balti- more, Md-----	403	Tri-Counties Blood Bank, Inc., Santa Barbara, Calif-----	198
St. Luke's Hospital Blood Bank, Aberdeen, S. Dak-----	250	United Biologics Corp., San Fran- cisco, Calif-----	371
St. Luke's Memorial Hospital Blood Bank, Racine, Wis-----	271	United Laboratories, Inc., Atlanta, Ga -----	408
St. Vincent Hospital Blood Bank, Erie, Pa-----	317	University of Cincinnati Blood Transfusion Service, Cincinnati, Ohio -----	235
San Diego Blood Bank, San Diego, Calif -----	201	Upjohn Co., Kalamazoo, Mich-----	51
Scientific Blood Bank, Inc., Chi- cago, Ill-----	345	Virginia Blood Bank, Inc., Rich- mond, Va-----	204
Scott County Medical Society Blood Bank, Inc., Davenport, Iowa -----	366	W. E. and Lela I. Stewart Blood Services, Inc., Tyler, Tex-----	265
Sherman Laboratories, Detroit, Mich -----	30	Washington Blood Laboratory, Washington, D.C-----	158
Shreveport Emergency Blood Bank, Inc., Shreveport, La-----	237	Washington Homoeopathic Phar- macy, Washington, D.C-----	392
Sibley Memorial Hospital, Wash- ington, D.C-----	380	Western Pennsylvania Blood Cen- ter, Inc., Pittsburgh, Pa., and Wheeling, W. Va-----	276
Sonoma County Community Blood Bank, Santa Rosa, Calif-----	197	Wiener Serum Laboratory, Brook- lyn, N.Y-----	155
Southeastern General Hospital, Inc., Lumberton, N.C-----	313	World Blood Bank, Inc., Kansas City, Mo., and Tulsa, Okla-----	312
Southwest Florida Blood Bank, Inc., Tampa, Fla-----	228	Wyeth Laboratories, Inc., Mari- etta, Pa-----	3
Specific Serums, Inc., Hoboken, N.J -----	343		

B. FOREIGN ESTABLISHMENTS

A/B Kabi, Stockholm, Sweden----	325	Osterreichisches Institut für Hae-	
Behringwerke AG., Marburg-		moderivate, Vienna, Austria----	258
Lahn, Germany-----	97	Pfizer, Ltd., Sandwich, Kent, Eng-	
Beecham Group, Ltd., Worthing,		land -----	338
Sussex, England-----	364	Swiss Serum and Vaccine Insti-	
Central Laboratory of The Neth-		tute Berne, Berne, Switzerland--	21
erlands Red Cross, Blood Trans-		Wellcome Foundation Limited,	
fusion Service, Amsterdam, The		Wellcome Research Labora-	
Netherlands -----	379	tories, Beckenham, Kent, Eng-	
Connaught Medical Research Lab-		land -----	129
oratories, University of Toronto,			
Willowdale, Ontario, Canada--	73		
Evans Medical Limited, Speke,			
Liverpool, England-----	351		
Glaxo Laboratories, Ltd., Green-			
ford, Middlesex, England-----	337		
Institut Merieux, Lyon, France---	384		
Istituto Sieroterapico Vaccinogeno			
Toscana Sclavo, Siena, Italy----	238		
N. V. Organon, Oss, The Nether-			
lands -----	378		
N. V. Phillips-Duphar, Amsterdam,			
The Netherlands-----	393		
Nyegaard & Co. A/S, Oslo, Nor-			
way -----	382		

RODERICK MURRAY,
*Director, Division of Biologics
Standards, National Institutes
of Health, Public Health
Service, U.S. Department of
Health, Education, and
Welfare.*

C. F. JOHNSON,
*Director of Information, for
the Director, National Insti-
tutes of Health, Public Health
Service, U.S. Department of
Health, Education, and
Welfare.*

[F.R. Doc. 69-3599; Filed, Mar. 27, 1969;
8:45 a.m.]